# NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

**TECHNICAL NOTE 3873** 

TABLES OF CHARACTERISTIC FUNCTIONS FOR SOLVING BOUNDARYVALUE PROBLEMS OF THE WAVE EQUATION WITH APPLICATION
TO SUPERSONIC INTERFERENCE

By Jack N. Nielsen

Ames Aeronautical Laboratory Moffett Field, Calif.



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TABLES OF CHARACTERISTIC FUNCTIONS FOR SOLVING BOUNDARY-

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### SUMMARY

Tables are presented containing 69,000 values of a set of characteristic functions which first arose in problems of supersonic wing-body interference. The tables are useful in problems of supersonic flow involving aerodynamic shapes which are wholly or in part quasi-cylinders of nearly circular cross section. A number of uses are described in the aerodynamics of bodies alone, body-body or shock-body interference, wingbody interference, and vortex-panel interference. Three illustrative examples are worked out in detail. First, the pressure field due to fuselage indentation is calculated and presented in a form independent of Mach number. Secondly, the tables are applied to a problem involving a previously unpublished solution to the Navier-Stokes equations; namely, the boundary-layer profiles of a circular cylinder moved impulsively with a constant axial force in a viscous incompressible fluid. In the final example, the wave drag of corrugated circular cylinders is calculated as a function of the number of corrugations and their wave length. Several nonaerodynamic applications are pointed out in the fields of acoustics and heat conduction. Generally speaking, the tables are applicable to boundary-value problems of the second kind involving the wave equation in three dimensions with approximately circular cylindrical boundaries or involving the unsteady heat-conduction equation in two space dimensions with nearly circular boundaries.

### INTRODUCTION

Many supersonic airplane and missile arrangements employ bodies that approximate circular cylinders, so-called quasi-cylindrical bodies of almost circular cross section. A simple numerical method is given in reference 1 for calculating the flow fields due to such bodies or due to interference between them and other aerodynamic shapes. The method, which is based on linear theory, involves a set of characteristic functions of two variables. Design charts of a number of these functions are included in reference 1, but only enough functions are included to solve the particular interference problem considered there.

erfc(x)

Plans to calculate an extensive set of tables were announced in reference 2. The tables have now been compiled and it is the primary purpose of this paper to present them. It is, however, beyond the scope of the present paper to discuss in detail the mathematical techniques used to calculate the functions. It is an additional purpose of this report to illustrate the use of the tables by applying them to certain problems which have not hitherto been calculated. These problems are the determinations of the pressure field due to an indented body; the viscous, incompressible, laminar flow for a circular cylinder moved impulsively with constant axial force; and the wave drag of corrugated bodies. Finally, a number of other possible applications of the tables are pointed out.

The set of tables has been compiled by Dr. William A. Mersman and Mr. Stewart Crandall of the Ames Aeronautical Laboratory, using methods developed by them for use with automatic computing machinery. The author would like to acknowledge their considerable contributions to the present paper as well as the work of Mr. Fred Goodwin in editing the tables.

### SYMBOLS

a	mean radius of quasi-cylindrical body of nearly circular cross section	1
С	wing chord at wing-body juncture, local chord of tail panel	
c*	<u>c</u> βa	
cl	section lift coefficient for tail panels	
C <sub>O</sub> (s)	arbitrary function of s	
$c^{D^{\mathbf{S}}}$	drag coefficient of corrugated body based on body plan form and assuming local two-dimensional flow	
$c_{\mathrm{D_S}}$	drag coefficient of corrugated body based on body plan form and assuming three-dimensional flow	
$D_{\mathrm{B}}$	wave drag of body	
erf(x)	error function, $\frac{2}{\sqrt{\pi}} \int_{0}^{x} e^{-x^2} dx$	

complementary error function, 1 - erf(x)

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f_m(x) velocity amplitude function for \cos m\theta distortions
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- $F_m(s)$  Laplace transform of  $f_m(x)$
- $g_m(x)$  velocity amplitude function for  $sin m\theta$  distortions
  - h amplitude of corrugation
  - H(t) Heaviside step function; H(t) = 0, t < 0; H(t) = 1, t > 0
  - $J_m, Y_m$  Bessel functions of first and second kind, respectively, of order m
  - Km modified Bessel function of second kind of order m
  - body length
  - L-1 inverse Laplace operator
  - $L_{\mathbb{B}(V)}$  lift on body due to vortex
  - $L_{T(V)}$  lift on tail panels due to vortex
  - m order of characteristic function, number of Fourier harmonic
  - M free-stream Mach number
  - $M_m(x)$  second set of characteristic functions of reference 6
  - n summation index, number of corrugations
  - p free-stream static pressure
  - p, local static pressure
  - P pressure coefficient,  $\frac{p_{\ell} p}{q}$
  - $P_0$  pressure coefficient for axially symmetric body, m = 0
  - ΔP loading coefficient for body-tail combination
  - q free-stream dynamic pressure
  - r radial distance from body center line
  - ro local radius of quasi-cylindrical body of almost circular cross section

```
r
a
r*
           complex variable of plane of Laplace transforms
           body plan-form area
S_B
           plan-form area of tail panels
S_{T_i}
t
           time
           free-stream velocity
           fluid velocity parallel to axis of cylinder
\overline{\mathbf{w}}
           Laplace transform of w
W_{m}(x,r)
           characteristic function of order m
W_m^*(x)
           characteristic function of reference 8
W_{1/2}(x),
           characteristic functions of fractional order
x,r,9
           cylindrical coordinates, figure 2
x*
           body angle of attack
\alpha_{
m B}
           tail angle of attack
\alpha_{m}
           angle of attack due to vortex
\alpha_{V}
           \sqrt{M^2-1}
В
δ
           amplitude of body indentation
8*
           x - r + 1
η
ŋ*
           x* - r* + 1
θ
           polar angle, figure 2
λ
           wave length of corrugation
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\lambda_{\rm m}   2\pi, m = 0; \pi, m \neq 0 but integral 

\mu absolute viscosity 

\nu kinematic viscosity 

\xi dummy variable of integration 

\tau streamwise slope of surface of quasi-cylindrical body 

\tau_{\rm O} shearing force per unit area acting on circular cylinder 

\tau^* \frac{\nu t}{a^2} 

\phi(x,r,\theta) potential in physical plane 

\phi(s,r,\theta) Laplace transform of \phi(x,r,\theta)
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### THE CHARACTERISTIC FUNCTIONS

## History of Functions

In reference 3, Lighthill, while studying the pressure distribution on quasi-cylindrical bodies of revolution, introduced a hitherto untabulated function  $W_O(x,1)$  which occurred in his formula for pressure coefficient at the body surface. (The quantity x corresponds to streamwise distance, and the quantity 1 indicates a radial distance of unity corresponding to the body surface.) Lighthill ascribes his tabulated values to the Admiralty Computing Service (ref. 4) who did the work at the request of G. N. Ward. Ward also presents the values in his paper on quasi-cylindrical flow, reference 5. The higher order functions  $W_2(x,1)$ ,  $W_4(x,1)$ ,  $W_6(x,1)$ ,  $W_8(x,1)$ , and  $W_{10}(x,1)$  were introduced by Nielsen in reference 6 in connection with a calculation of the interference pressure field of a rectangular wing and body combination at supersonic speeds. These higher order functions, which are natural extensions of Lighthill's original  $W_0(x,1)$  function, were computed to engineering accuracy using Fourier transforms. They are necessary whenever the configuration is not axially symmetric. While Nielsen required only even-ordered functions in reference 6, Phinney in reference 7 found it necessary to evaluate  $W_1(x,1)$  and  $W_3(x,1)$  to determine the pressure field acting on a streamwise circular cylinder intersected by an oblique-plane shock.

In the foregoing examples the  $W_m(x,l)$  functions were used strictly for calculating quantities on the body surface. A multipole method was given in reference 6 for calculating the pressure field away from the body surface. Since certain difficulties in this method motivated the present tables, let us consider the method briefly. The multipoles were

placed along the body axis in proper strength to give the right body shape (and, hence, pressure) at the body surface. First, the strength distributions along the body axis were found with the help of a second set of functions  $M_0(x)$ ,  $M_2(x)$ , etc. Then the external pressure field was found by numerical integration from the strength functions. The first disadvantage encountered was that the strength functions contained singularities. These singularities, although integrable, complicated the numerical integrations of the second step. An additional disadvantage was that as the order of the multipoles increased, the pressures became the difference of two large numbers so that the accuracy of the calculations deteriorated. To overcome these two disadvantages, a new method was developed based on a more general set of functions,  $W_m(x,r)$ . With these new functions, it is as easy to compute the pressures off the body as those on the body. The practicability of calculating tables of the  $W_m(x,r)$  functions was due directly to the availability of automatic computing machines for the purpose.

For completeness in the historical discussion of the functions, it should be noted that Randall (ref. 8) has published a set of characteristic functions closely related to the set of functions published in reference 6. If Randall's functions are designated by  $W_m^*(x)$ , they are related to the functions of reference 6 by the following formula:

$$W_m^*(x) = 1 - \int_0^x W_m(\xi, 1) d\xi$$
 (1)

Randall's table lists  $W_0^*(x)$ ,  $W_1^*(x)$ , . . .  $W_{10}^*(x)$  for the fairly coarse interval of 0.2 in x.

### Method of Calculations

The  $W_m(x,r)$  functions are defined as the inverse Laplace transform of a function containing modified Bessel functions of the second kind.

$$W_{m}(x,r) \equiv L^{-1} \left[ e^{s(r-1)} \frac{K_{m}(sr)}{K_{m}'(s)} + \frac{1}{\sqrt{r}} \right]$$
 (2)

The present tables have been calculated from this equation by the use of three methods of calculation particularly adapted to automatic computation. The three methods are:

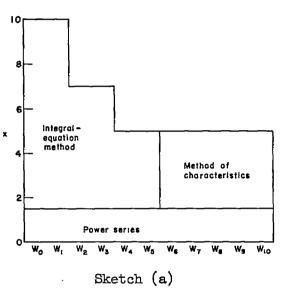
- 1. Power series in x with coefficients depending on m and r.
- 2. Integral-equation methods.

3. Characteristics using finite difference equations.

Other methods which have been used by the author and others for determining  $W_m(x,r)$  functions include:

- 4. Numerical evaluation of Fourier integrals.
- 5. Asymptotic series.
- 6. Laplace inversion formula with a contour encircling the zeros of  $K_m$ ; in the complex plane.

The ranges of the present tables calculated by the first three methods are shown in sketch (a). The power series in x involves coefficients which are functions of r and m. For values of r from 1 to 10 enough terms of the series were calculated to obtain the functions out to x = 1.5 with considerable accuracy for all values of m. With the initial values of the functions so determined, they were continued to higher values of x by the integralequation method and the method of characteristics. First, an integralequation method was used, but the accuracy of the method deteriorated with increases in x and m. It was



thus decided to abandon the integral-equation technique for higher values of m and develop the method of characteristics. After some unexpected problems, this was accomplished, and that portion of the tables indicated by "method of characteristics" was established.

Some mention of the last three methods seems justified on the grounds of completeness even though they were not used for the present tables. The Fourier integral technique was utilized in establishing the tables of reference 6. Asymptotic series involve the term-by-term inversion of doubly infinite series of powers and logarithms. As such they are unwieldy for automatic computation, but a few terms calculated by hand established the asymptotic behavior of the functions. This behavior cannot be determined conveniently by other methods. The final method was given in reference 5 as a formula for  $W_{\rm O}(x)$ . However, the method was not then adaptable to the higher order W functions because the zeros of  $K_{\rm m}$ , were not known in the complex plane. In reference 8 these zeros have been determined and have been used in calculating the tables of that paper.

### Description of Tables

The tables of  $W_m(x,r)$  cover a range of the order m from 1 to 10. The range of x is less for the higher order functions than the lower order functions because they become smaller faster. The actual ranges of the parameters x and r are:

The interval in x is 0.01. This interval permits accurate numerical integration with respect to x throughout the entire table. The values of r are not uniformly spaced because the interference effects that originally motivated the tables are most important near the body, that is, for values of r close to unity. For this reason more values of r were included in the lower range. The tables have eight places of decimals for  $0 \le x \le 1.2$ , six places of decimals for  $1.2 \le x \le 1.5$ , and four places of decimals for 1.5 < x.

# Accuracy of Tables

In the calculation of the tables, an attempt was made to obtain the functions accurately to four places of decimals. The success achieved in this attempt depended on the method of calculation as subsequently discussed under the various methods.

To insure that no obvious errors have entered the tables, differences have been examined to the fourth difference. For the range of m and x within which only one method of calculation was used, the differences were smooth within the limits of round-off error, with few exceptions. In these exceptional cases the roughness was never greater than 2 in the fourth decimal place, and the values have been adjusted so that they are smooth. For most of the table it was necessary only to obtain the fourth difference to assure smoothness in the fourth decimal place. However, for small values of x and values of x and values of x are greater than 3, it was necessary to go to higher differences before random scatter was encountered. At the transition at x = 1.5 from the power series to the method of characteristics, the differences are not smooth in the fourth decimal place. The reason for this is subsequently explained.

Power series. In the range of the tables covered by the power series, the values are accurate to 1 in the eighth decimal place for  $0 \le x \le 1.2$  and to 1 in the sixth decimal place for  $1.2 \le x \le 1.5$ . This

accuracy was achieved on the following basis. It was noted during the calculation of the power series that the ratio of the successive coefficients approached 1/2 independent of r or m. From this knowledge, an upper bound was established on the error incurred by terminating the series at any particular term. The calculations were then carried out for enough terms to hold the error within the previously stated limits. The radii of convergence of the power series all appear to be 2.

Integral-equation method. In the integral-equation method the accuracy could not be determined on an absolute basis as for the power series. In fact, the accuracy of the values calculated by this method can be determined only by comparison with the values calculated by other independent methods. (The practical decision to use an interval of 0.01 in x in solving the integral equation is probably the most important factor in determining the accuracy.) The accuracy of  $W_0(\mathbf{x},l)$  function can be assessed by comparing the values of the present tables with those of reference 3.

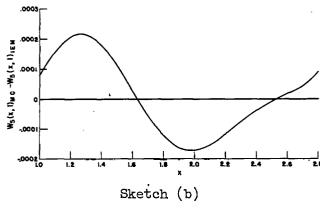
	Present tables	Reference 3
$W_{0}(2,1)$ $W_{0}(4,1)$ $W_{0}(6,1)$	0.1454 .0590 .0294	0.14542 .05896 .02936
$W_{o}(8,1)$ $W_{o}(10,1)$	.0169 .0108	.01688 .01077

For  $W_0(x,1)$  the present tables are accurate to four decimals. For values of r other than unity, the accuracy of the  $W_0(x,r)$  functions can be inferred on the basis of the following argument. The first step in the integral-equation method is to solve an integral equation numerically for each value of m. The second step is to generate values of  $W_m(x,r)$  for each value of r from the numerical solution. The primary error enters in the first step. Therefore, if the values of  $W_m(x,r)$  are accurate for r=1, they will probably be accurate for all values of r.

The accuracy of the present values of  $W_2(x,1)$  and  $W_4(x,1)$  can be assessed with the help of the results of reference 6.

	W <sub>2</sub> (x,1)		W <sub>4</sub> (x,1)	
x	Present table	Reference 6	Present table	Reference 6
3.4 3.6 3.8 4.0	-0.0821 0585 0361 0166	-0.082 058 035 017	-0.0662 0348 0012	-0.068 035 003

The comparison shows that the present values are at least as accurate as those of reference 6 which are accurate to 1 or 2 in the third decimal place.



As the order of the function increased, the accuracy of the integral-equation method decreased. The function  $W_5(x,r)$  is the highest one for which this method was used. To gain some insight into the accuracy of the calculated values of  $W_5(x,r)$  by the integral-equation method, the values were also computed by the method of characteristics for the range  $1 \le x \le 2.8$ . The differences between the values are shown in

sketch (b). They exceed 2 in the fourth decimal place in only a limited range. It seems safe to conclude that the  $W_5(x,r)$  values are accurate to about  $\pm 0.0002$ .

The deterioration of the integral-equation method in the case of  $W_{6}(x,l)$  is illustrated in figure 1. Successive values oscillate about the mean curve with an increasing amplitude. The reason for this instability is not known. Since 20 decimals were carried in the calculations it is not the result of round-off error. It could be due to outright machine or human error, to too large an interval in x, or possibly to the excitation of another solution of the integral equation.

One important characteristic of the integral-equation method and of the method of characteristics made it possible to use them in calculating the tables. Suppose that the precise variation of  $W_m(x,r)$  with x is known. Generally the values calculated by either of the foregoing methods will lie either below or above the true curve in a small neighborhood of any particular value of x. If the calculated values are continued to higher values of x, they will tend to cross over the true curve and thus oscillate about it rather than diverge from it.

Method of characteristics. The accuracy of the method of characteristics can be inferred by comparison in the same manner as the integral-equation method. (The accuracy of the calculations by the method of characteristics was largely determined by the practical decision to use a mesh size of 0.01 in x and r and to carry eight places of decimals in the calculations.) Comparison of the values of  $W_8(x,1)$ ,  $W_8(x,1)$ , and  $W_{10}(x,1)$  with those of reference 6 for x up to 3.6 shows that the values by the method of characteristics are at least as accurate as the values of that reference; namely, 1 or 2 in the third decimal place. A comparison between the values given by the power series and the method of characteristics in an overlapping region sheds light on the accuracy. To visualize the nature of this overlapping, one should note that the power-series calculations were originally made for values of x up to 1,

and the calculations by the method of characteristics were joined on smoothly at this point. Subsequently, the power series were extended to x=1.51, so that values of  $W_m(1.51,r)$  by two independent methods are available for comparison.

	r = 1		r = 10	
	Power series	Method of characteristics	Power series	Method of characteristics
W <sub>6</sub> (1.51,r) W <sub>7</sub> (1.51,r) W <sub>8</sub> (1.51,r) W <sub>9</sub> (1.51,r) W <sub>10</sub> (1.51,r)	0.52996 .15987 49617 29237 .42405	0.5295 .1597 4952 2919 .4229	-0.22151 .15704 .11206 26710 .10859	-0.2213 .1571 .1117 2665 .1087

It is clear that error in the method of characteristics has entered the third decimal place in a few places. For this reason the table can be relied on only to about 0.001 in the region covered by the method of characteristics even though the error will usually be less. It should also be noted that even though the table is smooth to the fourth decimal in any of the three regions of sketch (a), it is smooth to only about 0.001 in crossing the boundary between the power series and the method of characteristics.

In conclusion it should be mentioned that the method of characteristics tended to deteriorate in an oscillatory instability similar to that for the integral-equation method. This oscillation was detected by keeping a running check on the fourth differences as the calculations proceeded. As soon as evidence of oscillatory instability was detected in the fourth differences, the calculation was backed up in x and the calculated values were smoothed before continuing. This technique was not tried in the integral-equation method.

# Physical Interpretation of Wm(x,r) Functions

The  $W_m(x,r)$  functions have the physical significance of cylindrical pressure waves associated with a step in the radius of a streamwise quasicylindrical body as shown in figure 2. This figure, which applies to the  $W_0(x,r)$  function, shows a ramp of slope  $\tau$  and of length dx. As the flow passes over the ramp, it first goes through an oblique shock wave. Then at the end of the ramp it undergoes a Prandtl-Meyer expansion to negative pressure with an asymptotic approach back to free-stream pressure behind the ramp. The negative pressure field is  $-2W_0(\xi,r)$  where  $\xi = x - r + 1$ . This result gives a clear physical model for the  $W_0(x,r)$  function which simplifies actual pressure-distribution calculations. In the theoretical sense we must let the product  $\tau$  dx remain unity as dx approaches zero to get a mathematically precise model.

Consider now a mathematical demonstration that the negative pressure field is, in fact, represented by the  $W_O(x,r)$  function. An equation for the pressure field of a quasi-cylindrical body is derived in Appendix A. For a ramp of the present type, equation (All) gives (with a = 1 and  $\beta$  = 1)

$$P = 2 \sum_{m=0}^{\infty} \left[ \frac{f_m(x-r+1)}{\sqrt{r}} - \int_{0}^{x-r+1} f_m(\xi) W_m(x-r+1-\xi,r) d\xi \right] \cos m\theta$$
 (3)

where

$$\left(\frac{\mathrm{d}\mathbf{r}_{0}}{\mathrm{d}\mathbf{x}}\right)_{\mathbf{r}_{0}=1} = \sum_{m=0}^{\infty} \mathbf{f}_{m}(\mathbf{x})\cos m\theta \tag{4}$$

is the slope of the ramp. In this case we have

$$f_{O}(x) = \tau \qquad 0 \le x \le dx$$

$$f_{m}(x) = 0 \qquad m > 0$$
(5)

so that the pressure field is

$$P = \frac{2\tau(x - r + 1)}{\sqrt{r}} - 2W_0(x - r + 1, r)$$
 (6)

An interpretation of equation (6) term by term is instructive. pressure on the ramp is given by the first term which represents the direct effect of the oblique compression wave. For r = 1 the value of 27 is the pressure coefficient that would be calculated by two-dimensional theory. This pressure then propagates outward along the characteristic and is attenuated inversely as the square root of the radius as shown in figure 2. The pressure behind the ramp would return to free-stream pressure once the flow straightens out in the free-stream direction if the flow were two-dimensional. However, because of the three-dimensional nature of the flow, it actually undergoes expansion to a pressure below that of the free stream and recovers back to free-stream pressure as it progresses downstream. The pressure coefficient of this overexpanded field is the second term of equation (6),  $-2W_0(x - r + 1,r)$ . The attenuation of the pressure field along the characteristics is represented by the dependence of  $W_0(x - r + 1,r)$  on the second independent variable, r. The physical significance of the  $W_m(x,r)$  functions is analogous to that of the  $W_0(x,r)$  function, except that the amplitude of the pressure waves varies as cos mo around the body.

Mathematical Properties of the  $W_m(x,r)$  Functions

Many of the mathematical properties of the  $W_m(x,r)$  functions are useful for both calculative and analytical purposes. For this reason some of these properties are now listed.

l. The  $\textbf{W}_{\underline{m}}(\textbf{x},\textbf{r})$  functions are the solutions to the partial differential equation

$$\frac{\partial^2 W_m}{\partial r^2} + \frac{1}{2} \frac{\partial W_m}{\partial r} - \frac{\partial^2 W_m}{\partial r^2} - \frac{r^2}{m^2} W_m = 0 \tag{7}$$

with the boundary condition

$$W_{\rm m} = \frac{(1/8) - ({\rm m}^2/{\rm r})}{{\rm r}^{3/2}} + \frac{(3/8) + ({\rm m}^2/{\rm r})}{{\rm r}^{1/2}} \quad \text{at} \quad \eta = {\rm x - r + 1} = 0$$
(8)

$$\frac{\partial W_{m}}{\partial r} = 0 \quad \text{at} \quad r = 1 \tag{9}$$

2. The Taylor series for the  $W_m(x,r)$  functions can readily be deduced from the definition

$$W_{m}(x,r) \equiv L^{-1} \left[ e^{s(r-1)} \frac{K_{m}(sr)}{K_{m}(s)} + \frac{1}{\sqrt{r}} \right]$$
 (10)

by taking the inverse transformation of the asymptotic expansion term by term

$$W_0(x,r) = \frac{1}{8\sqrt{r}} \left( 3 + \frac{1}{r} \right) - \frac{3}{128\sqrt{r}} \left( 11 + \frac{2}{r} + \frac{3}{r^2} \right) x + O(x^2)$$
 (11)

$$W_{m}(x,r) = \frac{1}{8\sqrt{r}} \left(3 + \frac{1}{r}\right) + \frac{m^{2}}{2\sqrt{r}} \left(1 - \frac{1}{r}\right) + O(x)$$
 (12)

It should be noted that the values of  $W_m(0,r)$  are known exactly.

3. Asymptotic formulas for the  $W_m(\mathbf{x},\mathbf{r})$  functions can also be determined for large  $\mathbf{x}$ 

$$W_{m}(x,r) \sim \frac{\frac{1}{4(-1)^{m}}}{(m!)^{2}} \frac{(r^{m} + r^{-m})(2m + 1)!}{2^{2m+1}} \left(\frac{1}{x}\right)^{2m+2}; \quad m \neq 0$$
 (13)

$$W_0(x,r) \sim \frac{1}{x^2} - \frac{2(r-1)}{x^3} + \frac{1}{2x^4}$$
 (12 log 2x - 6 log r +

$$9r^2 - 12r - 13) + 0\left(\frac{1}{x^5}\right)$$
 (14)

4. Certain integral properties of the  $W_m(x,r)$  functions can be proved:

$$\int_{0}^{x} W_{0}(\xi, r) d\xi \sim \frac{1}{\sqrt{r}} - \frac{1}{x} + O\left(\frac{1}{x^{2}}\right)$$
(15)

$$\int_{0}^{x} \xi W_{0}(\xi,r) d\xi \sim -\left(1 + \log \frac{r}{2}\right) + \log x + O\left(\frac{1}{x}\right)$$
(16)

$$\int_{0}^{x} W_{m}(\xi,r) d\xi \sim \frac{1}{\sqrt{r}} + O\left(\frac{1}{x^{2m+1}}\right)$$
 (17)

$$\int_{0}^{x} \xi W_{m}(\xi,r) d\xi \sim \frac{1}{mr^{m}} + O\left(\frac{1}{x^{2m}}\right)$$
(18)

- 5. The zeros of  $W_m(x,r)$  exhibit some interesting properties. As m increases, the number of zeros increases within the range of the calculations. To a close approximation, but not exactly, the zeros are evenly spaced. The number of zeros appears to be finite because Mersman has proved that if x is increased indefinitely, the function becomes of invariable sign.
- 6. It is interesting to note that W functions of half order can be expressed in terms of elementary functions. The first two functions are:

$$W_{1/2}(x,r) = \frac{1}{2\sqrt{r}} e^{-x/2}$$
 (19)

$$W_{3/2}(x,r) = \frac{(3r/2) - 1}{r^{3/2}} e^{-3x/4} \cos \sqrt{\frac{15}{16}} x + \frac{(3r/8) + (3/4)}{r^{3/2}} \sqrt{\frac{16}{15}} e^{-3x/4} \sin \sqrt{\frac{15}{16}} x$$
 (20)

Only very rough values of  $W_0$ ,  $W_1$ ,  $W_2$ , etc., can be obtained by interpolating in m between known values of  $W_{m+1/2}$ .

### ILLUSTRATIVE EXAMPLES

To show how the  $W_m(x,r)$  tables can be used to calculate aerodynamic quantities, the tables will be applied to the calculation of the pressure field due to an indented body, the flow field of an infinite cylinder moving axially in a viscous incompressible fluid, and to the wave drag of corrugated bodies. These aerodynamic examples were chosen because they have hitherto not appeared in the literature. In a subsequent section, other aerodynamic applications will be pointed out as well as certain nonaerodynamic applications.

# Pressure Field of Body With Indentation

As a first example of the use of the functions, let us compute the pressure field of a body with a concave indentation such as might result from an application of the transonic area rule. (See sketch in fig. 3(a).) The radius of the indented body is given by

$$r_0 = a - 4\delta\left(\frac{x}{c}\right)\left(1 - \frac{x}{c}\right); \quad 0 \le x \le c$$

$$= a; \quad c \le x \quad (21)$$

The shape of the indentation is

$$\frac{d\mathbf{r}_0}{d\mathbf{x}} = -\frac{1}{4} \frac{\delta}{c} \left( 1 - \frac{2\mathbf{x}}{c} \right); \qquad 0 \le \mathbf{x} \le c$$

$$= 0; \qquad c < \mathbf{x} \qquad (22)$$

For an axially symmetric body only the  $W_O(x,r)$  functions need be used. From equation (A1)

$$f_{O}(x) = -4 \frac{\delta}{c} \left( 1 - \frac{2x}{c} \right); \qquad 0 \le x \le c$$

$$= 0; \qquad c < x \qquad (23)$$

For  $0 \le x \le c$  equation (All) yields

$$P_{O} = -\frac{8\left(\frac{\delta}{c}\right)}{\beta} \left\{ \frac{1}{\sqrt{r/a}} - \frac{2\left[x - \beta a\left(\frac{r}{a} - 1\right)\right]}{c\sqrt{r/a}} - \frac{1}{\beta a} \int_{0}^{x - \beta a\left(\frac{r}{a} - 1\right)} \left(1 - \frac{2\eta}{c}\right) W_{O}\left(\frac{x}{\beta a} - \frac{r}{a} + \frac{r}{a}\right) d\eta \right\}$$

$$\left\{ 1 - \frac{\eta}{\beta a}, \frac{r}{a} \right) d\eta$$

$$(24)$$

which with the substitutions

$$x^* = \frac{x}{\beta a}$$
,  $c^* = \frac{c}{\beta a}$ ,  $r^* = \frac{r}{a}$ ,  $\eta^* = x^* - r^* + 1$  (25)

becomes

$$\frac{\beta P_{O}}{\delta/c} = -8 \left[ \frac{1 - 2(\eta */c*)}{\sqrt{r*}} - \int_{O}^{\eta *} \left( 1 - \frac{2\eta}{c*} \right) W_{O}(\eta * - \eta, r*) d\eta \right]$$
 (26)

For x > c we obtain

$$\frac{\beta P_{O}}{\delta/c} = 8 \int_{O}^{c*} \left(1 - \frac{2\eta}{c*}\right) W_{O}(\eta * - \eta, r*) d\eta$$
 (27)

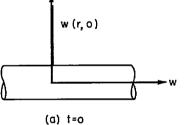
Formulas (26) and (27) give the pressure on the body in a form amenable to numerical integration using the tabulated values of  $W_0(x,r)$ . The integrations have been carried out for values of r/a of 1 and 2. The results in figure 3 are applicable to any concave indentation at any supersonic Mach number. Both axially symmetric and  $\cos 2\theta$  indentations are covered.

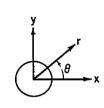
# Velocity Field of Circular Cylinder Impulsively Moved in Axial Direction With Constant Axial Force

The following example illustrates how the W functions solved certain problems involving the same differential equation as that governing unsteady heat conduction. In fact, the example considered here is a solution to the Navier-Stokes equations. In reference 9 Batchelor, using asymptotic methods, calculated the skin friction acting on an infinite cylinder of circular cross section moving axially with a step in velocity. In this example, we consider the analogous problem for a unit step in axial force applied at time t=0. Let w(r,t) be the fluid velocity parallel to the axis of the cylinder. The differential equation for the velocity field of a viscous incompressible fluid is in this case

$$\frac{\partial \mathbf{x_S}}{\partial \mathbf{s_M}} + \frac{\partial \mathbf{x_S}}{\partial \mathbf{s_M}} = \frac{h}{T} \frac{\partial \mathbf{r}}{\partial \mathbf{s}} \tag{58}$$

wherein  $\nu$  is the kinematic viscosity. The equation is to be solved subject to the boundary conditions as shown in sketch (c).

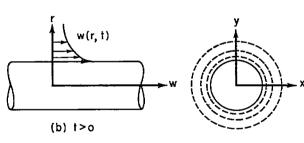




$$w = 0 \quad \text{for } t < 0$$

$$\frac{\partial w}{\partial r} = \frac{\tau_0}{\mu} H(t) \quad \text{at } r = a$$
(29)

Here H(t) is the unit step function of Heaviside,  $\mu$  the absolute viscosity, and  $\tau_0$  is the uniform value of the skin friction per unit area induced by the constant axial force.



Sketch (c)

To solve equation (28) first introduce the variables  $\tau^* = vt/a^2$  and  $r^* = r/a$  to obtain

$$\frac{\partial^2 w}{\partial r^{*2}} + \frac{1}{1} \frac{\partial w}{\partial r^{*}} = \frac{\partial w}{\partial \tau^{*}}$$
 (30)

subject to the conditions

$$\frac{\partial w}{\partial r^*} = \frac{a\tau_0}{\mu} H(\tau^*)$$
(31)

Introducing the Laplace transformation

$$\overline{w}(s,r*) = L[w(\tau*,r*)] = \int_{0}^{\infty} e^{-s\tau*}w(\tau*,r*)d\tau*$$
 (32)

equation (30) becomes

$$\frac{\partial^2 \overline{w}}{\partial r^*} + \frac{1}{r^*} \frac{\partial \overline{w}}{\partial r^*} - s\overline{w} = 0$$
 (33)

A solution to this transformed equation of the following form will satisfy the boundary conditions

$$\overline{w} = C_O(s)K_O(r * \sqrt{s})$$
 (34)

where  $C_O(s)$  is a function of s chosen to satisfy the second boundary condition of equation (31)

$$\frac{\partial \overline{w}}{\partial r^*} = L\left(\frac{\partial w}{\partial r^*}\right) = \left(\frac{a\tau_0}{\mu}\right) \frac{1}{s} = C_0(s)K_0! (r^*\sqrt{s})\sqrt{s} ; \qquad r = a \qquad (35)$$

Thus

$$\overline{\mathbf{w}}(\mathbf{s},\mathbf{r}^*) = \left(\frac{\mathbf{a}\tau_0}{\mu}\right) \frac{1}{\mathbf{s}^{3/2}} \frac{K_0(\mathbf{r}^*\sqrt{\mathbf{s}})}{K_0!(\sqrt{\mathbf{s}})}$$
(36)

It is now desirable to rewrite the equation in a different mathematical form which is better adapted to evaluation by use of W functions.

$$\frac{\overline{w}(s,r*)}{s\tau_{O}/\mu} = \frac{e^{-\sqrt{s}(r*-1)}}{s} \left[ \frac{e^{\sqrt{s}(r*-1)}}{\sqrt{s}} \frac{K_{O}(r*-\sqrt{s})}{K_{O}(\sqrt{s})} + \frac{1}{\sqrt{sr*}} \right] - \frac{e^{-\sqrt{s}(r*-1)}}{s^{3/2}r^{*1/2}}$$
(37)

From the definition of the W functions

$$W_{O}(\tau^{*}, r^{*}) \equiv L^{-1} \left[ e^{\sqrt{g} (r^{*}-1)} \frac{K_{O}(r^{*}\sqrt{g})}{K_{O}!(\sqrt{g})} + \frac{1}{\sqrt{r^{*}}} \right]$$
(38)

and the following relationship from Laplace transform theory (see ref. 10)

$$L^{-1}\left[\frac{\overline{g}(\sqrt{s})}{\sqrt{s}}\right] = \frac{1}{\sqrt{\pi\tau^*}} \int_{0}^{\infty} e^{-s^2/4\tau^*} g(s) ds$$
 (39)

we obtain

$$L^{-1} \left[ \frac{e^{\sqrt{s}(r*-1)}}{\sqrt{s}} \frac{K_{O}(r*\sqrt{s})}{K_{O}^{1}(\sqrt{s})} + \frac{1}{\sqrt{sr*}} \right] = \frac{1}{\sqrt{\pi \tau^{*}}} \int_{O}^{\infty} W_{O}(s,r*) e^{-s^{2}/4\tau^{*}} ds \quad (40)$$

At this point it is interesting to observe just how characteristic functions which solve the wave equation also yield solutions to the unsteady heat-conduction equation. The solution in the Laplace transform plane (eq. (36)) in the present case involves Bessel functions containing the square root of s, whereas the corresponding solution for the wave equation would involve Bessel functions containing the first power of s. The relationship between the inverse transforms of a function of s and the same function of the square root of s is given by equation (39). This equation can be thought of as converting a set of characteristic functions for the wave equation into a corresponding set of functions for the heat-conduction equation. In the present case the new function is represented by the integral of equation (40) which is easily evaluated because of the negative exponential.

The first term on the right-hand side of equation (37) can now be evaluated with the aid of the convolution integral and the following relationship

$$L^{-1}\left[\frac{e^{-\sqrt{g}(r^*-1)}}{g}\right] = \operatorname{erfc}\left(\frac{r^*-1}{2\sqrt{r^*}}\right) \tag{41}$$

Thus

$$L^{-1} \left[ \frac{e^{-\sqrt{\mathbf{s}}(\mathbf{r}^* - 1)}}{\mathbf{s}} \right] \left[ \frac{e^{\sqrt{\mathbf{s}}(\mathbf{r}^* - 1)}}{\sqrt{\mathbf{s}}} \right] \frac{K_0(\mathbf{r}^* \sqrt{\mathbf{s}})}{K_0!(\sqrt{\mathbf{s}})} + \frac{1}{\sqrt{\mathbf{s}\mathbf{r}^*}} \right]$$

$$=\int_{0}^{\tau^{*}}\operatorname{erfc}\left(\frac{r^{*}-1}{2\sqrt{\tau^{*}-\xi}}\right)\frac{d\xi}{\sqrt{\pi\xi}}\int_{0}^{\infty}e^{-s^{2}/4\xi}W_{0}(s,r^{*})ds$$

$$= \int_{0}^{\infty} W_{0}(s,r^{*}) ds \int_{0}^{\tau^{*}} \frac{e^{-s^{2}/4\xi}}{\sqrt{\pi \xi}} \operatorname{erfc}\left(\frac{r^{*}-1}{2\sqrt{\tau^{*}-\xi}}\right) d\dot{\xi}$$

$$= \int_{0}^{\infty} W_{0}(s,r^{*}) \left\{ 2 \sqrt{\frac{r^{*}}{\pi}} \exp \left[ -\frac{(s+r^{*}-1)^{2}}{h_{T}^{*}} \right] - (s+r^{*}-1) \operatorname{erfc} \left( \frac{s+r^{*}-1}{2\sqrt{r^{*}}} \right) \right\} ds$$

(42)

The second term on the right-hand side of equation (37) yields

$$L^{-1} \left[ \frac{e^{-\sqrt{s}(r^*-1)}}{s^{3/2}} \right] = 2\sqrt{\frac{\tau^*}{\pi}} \exp \left[ -\frac{(r^*-1)^2}{4\tau^*} \right] - (r^*-1) \operatorname{erfc} \left( \frac{r^*-1}{2\sqrt{\tau^*}} \right)$$
(43)

We can now write the solution to the problem in the  $r*, \tau*$  coordinate system

$$\frac{w(\tau^*, r^*)}{a\tau_0/\mu} = \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[ -\frac{(s+r^*-1)^2}{4\tau^*} \right] - (s+r^*-1) \operatorname{erfc}\left(\frac{s+r^*-1}{2\sqrt{\tau^*}}\right) \right\} ds - \frac{1}{2} \int_0^\infty W_0(s, r^*) ds - \frac{1}{2} \int_0^\infty W_0(s$$

$$\left\{2\sqrt{\frac{\tau^*}{\pi r^*}}\exp\left[-\frac{(r^*-1)^2}{\mu_{\tau^*}}\right] - \frac{r^*-1}{\sqrt{r^*}}\operatorname{erfc}\left(\frac{r^*-1}{2\sqrt{\tau^*}}\right)\right\} \tag{44}$$

This equation can be used to calculate the fluid velocity by numerical integration using the tabulated values of  $\underline{W}_{O}(x,r)$ . The negative exponential function aids convergence of the infinite integrals.

A systematic series of calculations has been carried out to establish the variation of velocity with time shown in figure 4. The velocity profiles given by  $w(\tau^*,r^*)/w(\tau^*,1)$  are shown in figure 5. To find a dimensionless type of velocity profile relatively insensitive to  $\tau^*$ , it is first necessary to define a boundary-layer thickness. This is arbitrarily taken to be the radial distance at which the velocity falls to 1/100th of the velocity of the cylinder. The boundary-layer radius  $\delta$  in multiples of the body radius on the basis of this definition is shown in figure 6. The approximate relationship for small values of  $\tau^*$ , later derived, is also shown on the curve. The boundary-layer thickness tends to increase as the square root of the time.

The velocity profile can be specified in dimensionless form in terms of the coordinates  $w(\tau^*,r^*)/w(\tau^*,l)$  and  $(r^*-1)/(\delta^*-1)$ . These curves have been calculated for several values of  $\delta^*$  and are presented in figure 7. An item of particular interest is that for values of  $\delta^*$  from 0 up to 3, there is not much change in the shape of the velocity profile. This result means that the following method of specifying the velocity distribution for  $\tau^*=0$  will hold over the low range of values of  $\tau^*$ . The explicit analytical results for  $\tau^*=0$  are obtained by the usual methods of Laplace transform theory as follows:

$$\frac{w(\tau^*, r^*)}{a\tau_0/\mu} = L^{-1} \left[ \frac{1}{s^{3/2}} \frac{K_0(r^*\sqrt{s})}{K_0(\sqrt{s})} \right]$$
 (45)

$$K_{O}(r*\sqrt{s}) \sim \sqrt{\frac{\pi}{2r*\sqrt{s}}} e^{-r*\sqrt{s}} \left(1 - \frac{1}{8r*\sqrt{s}} + \dots\right)$$
 (46)

$$K_0^{\dagger}(\sqrt{s}) \sim -\sqrt{\frac{\pi}{2\sqrt{s}}} e^{-\sqrt{s}} \left(1 + \frac{3}{8\sqrt{s}} + \dots\right)$$
 (47)

$$\left(\frac{1}{s^{3/2}}\right) \frac{K_{O}(r*\sqrt{s})}{K_{O}!(\sqrt{s})} = -\frac{e^{-(r*-1)\sqrt{s}}}{\sqrt{r*}s^{3/2}} \left[1 - \left(\frac{3}{8} + \frac{1}{8r*}\right) \frac{1}{\sqrt{s}} + O\left(\frac{1}{s}\right)\right]$$
(48)

Thus for small 7\*

$$\frac{w(\tau^*, r^*)}{a \tau_0 / \mu} = -L^{-1} \left[ \frac{1}{\sqrt{r^*}} \frac{e^{-(r^*-1)\sqrt{s}}}{s^{3/2}} \right] + L^{-1} \left[ \frac{1}{8\sqrt{r^*}} \left( 3 + \frac{1}{r^*} \right) \frac{e^{-(r^*-1)\sqrt{s}}}{s^2} \right] + \dots$$
(49)

Taking only the first term, we obtain for small  $\tau^*$ 

$$\frac{\mathbf{w}(\tau^*,\mathbf{r}^*)}{\mathbf{a}\tau_0/\mu} \approx -\frac{1}{\sqrt{\mathbf{r}^*}} \left\{ 2\sqrt{\frac{\tau^*}{\pi}} \exp\left[-\frac{(\mathbf{r}^*-1)^2}{4\tau^*}\right] - (\mathbf{r}^*-1)\operatorname{erfc}\left(\frac{\mathbf{r}^*-1}{2\sqrt{\tau^*}}\right) \right\}$$
(50)

and for r\* = 1

$$\frac{\mathbf{w}(\tau^*,1)}{\mathbf{a}\tau_{\mathrm{O}}/\mu} = -2\sqrt{\frac{\tau^*}{\pi}} \tag{51}$$

The velocity profile is given by

$$\frac{\mathbf{w}(\tau^*,\mathbf{r}^*)}{\mathbf{w}(\tau^*,\mathbf{l})} = \frac{1}{\sqrt{\mathbf{r}^*}} \left\{ \exp\left[ -\frac{(\mathbf{r}^*-\mathbf{l})^2}{\mu_{\tau^*}} \right] - \sqrt{\pi} \left( \frac{\mathbf{r}^*-\mathbf{l}}{2\sqrt{\tau^*}} \right) \operatorname{erfc}\left( \frac{\mathbf{r}^*-\mathbf{l}}{2\sqrt{\tau^*}} \right) \right\}$$
(52)

When  $r^* = \delta^*$  the velocity has fallen to 1 percent of its surface value so that equation (52) gives

$$\exp\left[-\frac{(\delta^* - 1)^2}{4\tau^*}\right] - \sqrt{\pi} \left(\frac{\delta^* - 1}{2\sqrt{\tau^*}}\right) \operatorname{erfc}\left(\frac{\delta^* - 1}{2\sqrt{\tau^*}}\right) = \frac{\sqrt{\delta^*}}{100}$$
 (53)

The solution to this equation is

$$\frac{\delta * - 1}{2\sqrt{\tau *}} = k \tag{54}$$

where k is a function of  $\delta^*$ , and the velocity profile is then

$$\frac{\mathbf{w}(\tau^*,\mathbf{r}^*)}{\mathbf{w}(\tau^*,\mathbf{1})} = \frac{1}{\sqrt{\mathbf{r}^*}} e^{-\mathbf{k}^2 \left(\frac{\mathbf{r}^*-\mathbf{1}}{\delta^*-\mathbf{1}}\right)^2} - \sqrt{\pi} \, \mathbf{k} \left(\frac{\mathbf{r}^*-\mathbf{1}}{\delta^*-\mathbf{1}}\right) \operatorname{erfc}\left[\mathbf{k} \left(\frac{\mathbf{r}^*-\mathbf{1}}{\delta^*-\mathbf{1}}\right)\right]$$
(55)

The solution to equation (53) when  $\tau^* = 0$  and  $r^* = \delta^* = 1$  is k = 1.606. Equation (55) then yields the  $\tau^* = 0$  profile shown in figure 7. The profiles for the other values of  $\tau^*$  shown in this figure were obtained by means of the exact method of equation (44). Included for comparison is the Blasius profile, with the boundary-layer thickness defined the same way as for the present calculations.

It should be noted that the  $\tau^*=0$  profile cannot be obtained from equation (44) but must be obtained analytically. It can be seen from figure 7 that the  $\tau^*=0$  profile gives a good approximation for all  $\tau^*$ . To obtain a more accurate analytic profile for  $\tau^*>0$  equation (53) can be resolved to obtain a new value of k and equation (55) again used.

The present profiles are noticeably fuller than the Blasius profile, a reflection of the fact that the profile is for a constant shearing force rather than a constant cylinder velocity. For the case of constant cylinder velocity calculated by Batchelor, reference 9, the skin-friction variation with time for a cylinder closely follows that of an impulsively started flat plate (Rayleigh's problem).

# Wave Drag of Quasi-Cylindrical Bodies: Corrugated Cylinder

Another example of the utility of the W functions is their use for the purpose of evaluating the wave drag of quasi-cylindrical bodies. The general formula for wave drag can easily be derived by integrating the pressure distributions. For r=a equation (All) for the pressure coefficient yields

$$P = \frac{2}{\beta} \sum_{m=0}^{\infty} \cos m\theta \left[ f_m(x) - \frac{1}{\beta a} \int_0^x f_m(\xi) W_m \left( \frac{x - \xi}{\beta a} , 1 \right) d\xi \right]$$
 (56)

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with the slope of the body given by

$$\frac{\mathrm{d}\mathbf{r}_{0}}{\mathrm{d}\mathbf{x}}\Big|_{\mathbf{r}=\mathbf{e}} = \sum_{\mathbf{m}=0}^{\infty} \mathbf{f}_{\mathbf{m}}(\mathbf{x})\cos \mathbf{m}\theta \tag{57}$$

The drag acting on a small element of the quasi-cylindrical body is

$$dD_{B} = qPa \frac{dr_{O}}{dx} d\theta dx$$
 (58)

The total drag between stations x = 0 to x = l is

$$D_{B} = \frac{2qa}{\beta} \int_{0}^{l} \int_{0}^{2\pi} \sum_{m=0}^{\infty} (\cos m\theta) \left[ f_{m}(x) - \frac{1}{\beta a} \int_{0}^{x} f_{m}(\xi) W_{m} \left( \frac{x - \xi}{\beta a} \right), 1 \right] d\xi$$

$$\sum_{n=0}^{\infty} [f_{n}(x) \cos n\theta] dx d\theta \qquad (59)$$

With the definition

$$\lambda m, n = \int_{0}^{2\pi} \cos m\theta \cos n\theta \ d\theta$$

$$\lambda m, n = 0 \qquad m \neq n$$

$$\lambda m = 2\pi \qquad m = n = 0$$

$$\lambda m = \pi \qquad m = n \neq 0 \qquad m, n \text{ integral}$$
(60)

we establish the drag coefficient

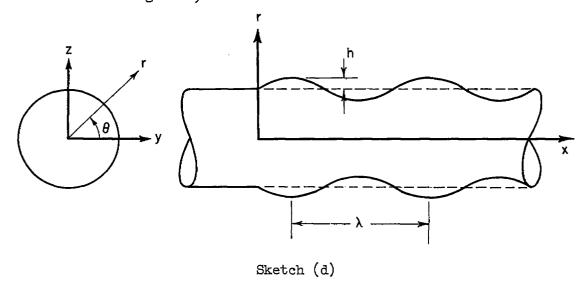
$$\beta C_{D_3} = \frac{\beta D_B}{q\pi a l} = \frac{2}{\pi l} \sum_{m=0}^{\infty} \lambda_m \left\{ \int_0^l \left[ f_m(x) - \frac{1}{\beta a} \int_0^x f_m(\xi) W_m \left( \frac{x - \xi}{\beta a} , 1 \right) d\xi \right] f_m(x) dx \right\}$$

$$(61)$$

The drag of any quasi-cylindrical body at any supersonic Mach number can be obtained by a direct application of the preceding drag formula using the tabulated values of the  $W_m(x,r)$  functions. For the case m=0 of

an axially symmetric body, the formula can be put in terms of longitudinal area distribution similar to the well-known drag formula of slender-body theory.

A series of systematic calculations based on equation (61) have been made to determine how the wave drag of sinusoidally corrugated bodies varies with length of corrugation,  $\lambda$ , number of corrugations, n, and harmonic of corrugation, m.



The shape of the corrugations is specified by the coordinate system shown in sketch (d). If  $r_{\rm O}$  is the radius of the surface, we have

$$r_0 = a + h \sin 2\pi \frac{x}{\lambda} \cos m\theta$$
 (62)

where  $\lambda$  is the corrugation length, and m the number of the harmonic.

$$\frac{\mathrm{dr_0}}{\mathrm{dx}} = \frac{2\pi h}{\lambda} \cos \frac{2\pi x}{\lambda} \cos m\theta \tag{63}$$

The value of f(x) is thus

$$f_{m}(x) = \frac{2\pi h}{\lambda} \cos 2\pi \frac{x}{\lambda}$$
 (64)

and is taken independent of m. The drag coefficient of the corrugated body is easily calculated by substituting  $f_m(x)$  from equation (64) into equation (61) and performing a numerical or graphical integration.

Before examining the results of the systematic calculations, let us determine the drag of the corrugated body on the basis of two-dimensional flow. This drag will act as a standard by which to normalize the three-dimensional drag coefficients. In this manner we can see how important the three-dimensional nature of the flow is in determining the drag. The two-dimensional drag is calculated by neglecting the  $W_{\rm m}$  term in equation (61) since all three-dimensional effects enter through this term. Thus, based on two-dimensional theory.

$$\beta C_{D_2} = \frac{2}{\pi l} \lambda_m \int_0^{n\lambda} f_m^2(x) dx$$

$$= \frac{2}{\pi l} \lambda_m \left(\frac{2\pi h}{\lambda}\right)^2 \int_0^{n\lambda} \cos^2 2\pi \frac{x}{\lambda} dx$$

$$= \frac{2}{\pi l} \lambda_m \left(\frac{2\pi h}{\lambda}\right)^2 \left(\frac{n\lambda}{2}\right)$$
(65)

$$\beta C_{D_2} = 2 \left( \frac{2\pi h}{\lambda} \right)^2 \qquad m = 0$$

$$\beta C_{D_2} = \left( \frac{2\pi h}{\lambda} \right)^2 \qquad m = 1, 2, 3, \dots$$
(66)

The ratio of the drag calculated by three-dimensional theory, equation (61), to that by two-dimensional theory, equation (66), is plotted as a function of wave length in figure 8 for bodies with one corrugation and with an infinite number of corrugations. Examining the results for m=0, the axially symmetric case, we see that an increase in wave length to many multiples of the body radius will effect some drag reduction below the two-dimensional value. However, it is seen that the drag coefficient is very insensitive to the number of corrugations. What this means is that for a corrugation of the present type, the interference of all upstream corrugations is negligible. The drag reduction below the two-dimensional value comes about almost entirely through interference between the various parts of a single corrugation.

The case for m=4 presents a somewhat different picture from the m=0 case. The result of three-dimensional effects is to cause an increase in wave drag before the large decrease. There is a substantial difference between the n=1 and  $n=\infty$  cases for the longer wave lengths, showing some appreciable effect of interference on a given corrugation because of the upstream corrugations.

It should be stated that the drag coefficient for an infinite number of corrugations can be obtained in closed form on the basis of work in reference ll. For an infinitely long corrugated body given by

$$r_0 = a + h \cos fx \cos m\theta$$
;  $f = \frac{2\pi}{\lambda}$  (67)

the potential for the flow is

$$\varphi = \left(\frac{Vh}{\beta}\right) \frac{J_{m}'(\beta fa)J_{m}(\beta fr) + Y_{m}'(\beta fa)Y_{m}(\beta fr)}{\left[J_{m}'(\beta fa)\right]^{2} + \left[Y_{m}'(\beta fa)\right]^{2}} \cos fx \cos n\theta +$$

$$\left(\frac{Vh}{\beta}\right) \frac{J_{m}!(\beta fa)Y_{m}(\beta fr) - Y_{m}!(\beta fa)J_{m}(\beta fr)}{\left[J_{m}!(\beta fa)\right]^{2} + \left[Y_{m}!(\beta fa)\right]^{2}} \sin fx \cos n\theta$$
(68)

The drag per corrugation is

$$\frac{D}{q} = \frac{8\pi h^{2}/\beta^{2}}{J_{1}^{2}(\beta fa) + Y_{1}^{2}(\beta fa)}; \qquad m = 0$$

$$\frac{D}{q} = \frac{\mu_{\pi h^{2}/\beta^{2}}}{[J_{m}^{1}(\beta fa)]^{2} + [Y_{m}^{1}(\beta fa)]^{2}}; \qquad m = 1,2,3,...$$
(69)

### OTHER APPLICATIONS

To suggest further uses of the W functions several other problems to which they are applicable will now be described. The problems to be mentioned will be classed under the headings of bodies alone, body-body or shock-body interference, wing-body interference, vortex-panel interference, and nonaeronautical applications. In all cases the bodies are assumed quasi-cylindrical and of nearly circular cross section.

#### Bodies Alone

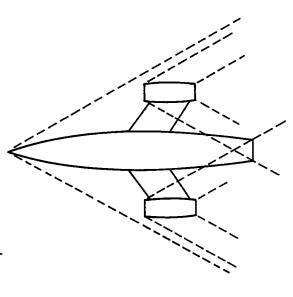
By the use of the present tables, the pressures can be calculated for any quasi-cylindrical body, no matter how irregular. The number of harmonics required to give a good approximation to the pressure field depends on the number of harmonics necessary to obtain a good representation of the cross-sectional shape at various crossflow planes. A use to which the  $W_{\rm O}({\rm x},1)$  function has been applied by Lighthill in reference 3

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is the calculation of the pressures on the outside of a duct model at M = 1.5. Another example of a body-alone application is the unsteady slender-body solution obtained by using the wave equation in crossflow planes rather than Laplace's equation. This intuitive approach was used by Miles, reference 12, to calculate the transient loading on slender bodies of revolution. Miles concludes the method is useful for obtaining asymptotic results. What further usefulness the method has, if any, remains to be seen.

### Body-Body or Shock-Body Interference

Frequently a body acts in the flow field of another body as in the case pictured in sketch (e). The interference field on the satellite bodies and on the central body can be calculated to the order of quasicylindrical theory. The effect of pylons can also be included. Friedman and Cohen, reference 13, have calculated the minimum wave drag for configurations similar to that of sketch (e) but using pointed slender satellites. The simplifying assumptions made in their analysis are violated for positions of the satellites near the body. Such positions can be handled by the present method although multiple reflection will unquestionably complicate the problem.



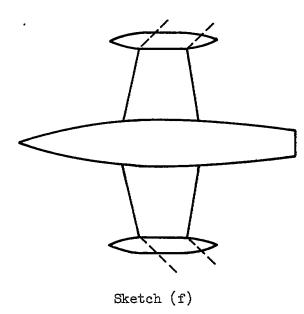
Sketch (e)

An example of shock-body interference to which the present functions have been applied is the calculation of the pressure field acting on a circular cylinder intersected by an oblique-plane shock. This work was accomplished by Phinney in reference 7. For this application functions of odd and even orders are required.

# Wing-Body Interference

The W functions of all even orders but zero originally were calculated to solve problems of wing-body interference in supersonic flow; in particular, the interference pressure field between a circular body and a flat rectangular wing, reference 1. It is possible to determine similar pressure fields associated with wing incidence and angle of attack for combinations employing wings with swept leading edges, provided the

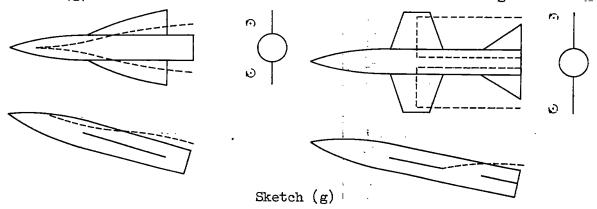
edges are supersonic. The necessary velocity amplitude functions for the wing-incidence case are listed in the Appendix of reference 6. It is possible to calculate the pressure field of quasi-cylindrical bodywing combinations, provided they possess a horizontal plane of symmetry and are acting at zero angle of attack. In view of this fact, it is possible to determine the shape for minimum wave drag of such configurations. This has been done for certain swept-wing configurations at supersonic speeds in reference 14. This method can, in principle, be applied to quasi-cylindrical configurations which are not slender, whereas the supersonic area rule cannot.



Another problem of wing-body interference that can be solved by the present tables is the calculation of the pressure field on the tip tank of a symmetrical configuration such as that shown in sketch (f). For zero angle of attack W functions of odd and even order are needed to calculate the pressure field. For the pressure field due to wing incidence or angle of attack of the configuration, it is necessary to use W functions of fractional order; namely,  $W_{1/2}$ ,  $W_{3/2}$ ,  $W_{5/2}$ , etc. It is to be noted that these functions can be calculated in terms of known functions, and the first two have already been given in the section on mathematical properties of the  $W_m(x,r)$  functions.

Vortex-Panel Interference

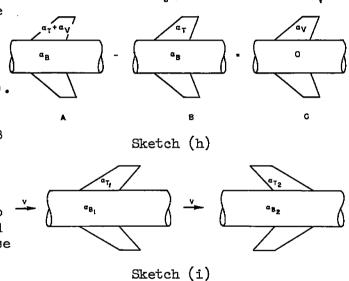
Vortex interference on wing panels can occur as a result of vortices arising on the nose of a body sweeping over the wing panels as shown in sketch (g). Similar interference arises as the result of wing vortices



sweeping past tail panels. The action of the vortices and their images to the first approximation is to cause a variation in the local angle of attack at each spanwise station with negligible chordwise camber. Accordingly, the wing panels can be assumed to be twisted by the amount of the change in local angle of attack due to the vortices, and to act in a uniform stream. No change in body shape is required because the vortices and images produce no flow normal to the body. It is possible to calculate the total lift on the tail panels and that on the body due to the vortices using reversibility theorems similar to those of Heaslet and Spreiter in reference 15.

Consider the tail to be uniformly at angle of attack  $\alpha_T$  and the body at angle of attack  $\alpha_B$ . Let  $\alpha_V$  be the angle of attack induced on the tail by the vortices, and assume it to depend only on lateral position, y, although this restriction is not mandatory. The value of  $\alpha_V$ 

for the body is zero since the external and image vortices produce no flow normal to the body surface. Consider the decomposition of the boundary conditions shown in sketch (h). Condition A represents the body-tail combination with vortex effects and condition B represents the body-tail combination without vortex effects. Thus condition C represents vortex effects on the body-tail combination. evaluate the lifts on tail and body in condition C, let us use the reversibility theorem for the conditions of sketch (i).



Let  $\Delta P_1$  be the loading on the sweptback combination and  $\Delta P_2$  be the loading on the sweptforward combination with angles of attack as indicated. Then

$$\iint\limits_{S_{B}} \Delta P_{1} \alpha_{B_{2}} dS_{B} + \iint\limits_{S_{T}} \Delta P_{1} \alpha_{T_{2}} dS_{T} = \iint\limits_{S_{B}} \Delta P_{2} \alpha_{B_{1}} dS_{B} + \iint\limits_{S_{T}} \Delta P_{2} \alpha_{T_{1}} dS_{T} \qquad (70)$$

where  $S_T$  is the tail-panel area and  $S_B$  is the body plan-form area. The loading coefficients and angles of attack are to be taken at corresponding points in direct and reversed flow. To obtain the lift on the tail panels due to the vortex, let

$$\alpha_{B_1} = 0$$
,  $\alpha_{T_1} = \alpha_V$ ,  $\alpha_{B_2} = 0$ ,  $\alpha_{T_2} = 1$  (71)

and call the loading on the reversed combination due to unit tail incidence  $(\Delta P)_{\alpha_{T}=1}$  . Equation (70) then gives

$$\frac{L_{\mathrm{T}}(v)}{q} = \iint_{S_{\mathrm{T}}} (\Delta P)_{1} dS_{\mathrm{T}} = \iint_{S_{\mathrm{T}}} (\Delta P)_{\alpha_{\mathrm{T}} = 1} \alpha_{\mathrm{V}} dS_{\mathrm{T}}$$
(72)

where  $L_{T}(v)$  is the lift on the tail panels due to the vortices. Since  $\alpha_V$  depends only on y, we can carry out a chordwise integration

$$\iint_{S_{T}} (\Delta P)_{\alpha_{T}=1} \alpha_{V} dS_{T} = \int_{\text{root}}^{\text{tip}} \alpha_{V} dy \int_{1e}^{\text{te}} (\Delta P)_{\alpha_{T}=1} dx$$
 (73)

The chordwise integration from leading edge to trailing edge yields  $(cc_1)_{\alpha_{m}=1}$ , the span loading associated with  $(\Delta P)_{\alpha_{m}=1}$ . Thus

$$\frac{L_{T}(V)}{q} = \int_{\text{root}}^{\text{tip}} (ee_{l})_{\alpha_{T}=1} \alpha_{V} dy$$
 (74)

The lift on the tail panels due to the vortex can thus be obtained by integrating the product of the local span loading and angle of attack across the panel as in strip theory.

Thus the span loading on the tail for unit-tail incidence for the combination in reversed flow is the influence coefficient for calculating the panel load due to the vortices by strip theory. To obtain (cc<sub>l</sub>) for the combination requires solving a wing-body interference problem which can be done by W function methods. The values of span loading for rectangular panels and body combinations are given in reference 1, and can be used to calculate lifts on rectangular tails in nonuniform streams.

To obtain the lift on the body due to the vortices, let

$$\alpha_{B_1} = 0$$
,  $\alpha_{T_1} = \alpha_V$ ,  $\alpha_{B_2} = 1$ ,  $\alpha_{T_2} = 0$  (75)

in equation (70). Call the loading on the reversed combination due to unit angle of attack of the body ( $\Delta P$ ). Then the lift on the body due to the vortices is

$$\frac{L_{B(V)}}{q} = \iint_{S_B} (\Delta P)_1 dS_B = \iint_{S_T} (\Delta P)_{\alpha_{B}=1} \alpha_V dS_T$$
 (76)

Since  $\alpha_{\boldsymbol{V}}$  depends only on  $\ \boldsymbol{y},$  we can integrate out the chordwise distance to obtain

$$\frac{L_{B(V)}}{q} = \int_{\text{root}}^{\text{tip}} (cc_{l})_{\alpha_{B}=1} \alpha_{V} dy$$
 (77)

It is seen that the span loading on the tail due to unit body angle of attack for the combination in reversed flow is the influence coefficient for calculating the body lift due to the vortices by strip theory. The values of  $(cc_l)_{\alpha_R=1}$  for rectangular panels is given in reference 1.

### Nonaerodynamic Applications

Acoustics. The direct acoustic analog of the wing-body interference problem involves the two-dimensional sound waves generated by a pulsating circular boundary which was initially quiescent. The potential for such a sound field obeys the wave equation

$$\frac{\partial^2 \varphi}{\partial x^2} + \frac{\partial^2 \varphi}{\partial y^2} = \frac{1}{c^2} \frac{\partial^2 \varphi}{\partial t^2} \tag{78}$$

where c is the speed of sound in the undisturbed medium and t is the time. The boundary conditions are

$$\phi = 0; t < 0$$

$$\frac{\partial \phi}{\partial r} = \sum_{n=0}^{\infty} a_n(t) \cos n\theta \quad \text{at } r = a$$

$$\phi \to 0 \quad \text{as } r \to \infty$$
(79)

The second boundary condition specifies the shape of the pulsating circle as a function of time. The solution to the problem is readily obtained in terms of W functions.

Heat conduction .- The solution for the velocity profile developed by a circular cylinder in a viscous fluid can be applied to the twodimensional heat conduction from a circular cavity into an infinite surrounding medium where the heat is transferred uniformly at a given rate around the circumference. Let q be the rate heat is supplied at the periphery for unit area per unit time, and let the temperature T depend only on radial distance r. The analog is then as follows:

# Viscous Flow

# Heat Conduction

Variables:

w, axial velocity

t. time

T, temperature

t, time

Differential equation:

$$\frac{\partial x^2}{\partial x^2} + \frac{\partial y^2}{\partial x^2} = \frac{1}{2} \frac{\partial x}{\partial x}$$

$$\frac{\partial^2 \mathbf{T}}{\partial \mathbf{x^2}} + \frac{\partial^2 \mathbf{T}}{\partial \mathbf{y^2}} = \frac{1}{k} \frac{\partial \mathbf{T}}{\partial t}$$

 $\nu$  = kinematic viscosity k = thermal diffusivity

Boundary conditions:

$$w = 0$$
;  $t < 0$ 

$$-T = 0$$
;  $t < 0$ 

$$\frac{\partial w}{\partial r} = \frac{\tau_0}{\mu} H(t)$$
;  $r = \epsilon$ 

$$\frac{\partial w}{\partial r} = \frac{\tau_0}{\mu} H(t)$$
;  $r = a$   $\frac{\partial T}{\partial r} = \frac{q}{k} H(t)$ ;  $r = a$ 

 $\tau_0$  = skin friction

q = heat-conduction rate

 $\mu$  = absolute viscosity

k = thermal diffusivity

H(t) = Heaviside step function

Dimensionless variables:

$$\tau * = v t / a^2$$

$$r* = r/a$$

$$\tau * = kt/a^2$$

$$r* = r/a$$

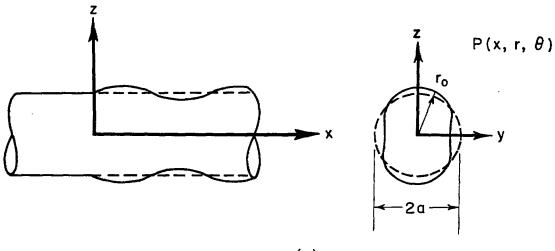
The analog shown here permits the calculated results for viscous flow to be directly applied to heat conduction. If the quantity q varies with angle around the circumference, then W functions of order higher than Wo will be involved in the solution.

Other fields.- For any physical phenomenon obeying the two-dimensional wave equation or the unsteady heat-conduction equation, problems solvable by W functions can be constructed. The boundary-value problems should generally be those of the second kind with circular boundaries; that is, the normal derivative of the function should be specified on the circular boundary. An essential feature is that the entire field should be quiescent for all time less than a certain time. For problems in which the motion has been going on forever, such as sinusoidal oscillations, the W functions will not usually enter the solution. The infinite corrugated cylinder is an example. Some fields in which analogs can be constructed include oscillations of a free fluid surface under the action of gravity, vibration of membranes, acoustic waves of vibrating strings, etc.

Ames Aeronautical Laboratory
National Advisory Committee for Aeronautics
Moffett Field, Calif., Sept. 26, 1956

### APPENDIX A

### PRESSURE FIELD DUE TO QUASI-CYLINDRICAL BODY



Sketch (j)

Consider an infinitely long surface which lies everywhere near the cylinder r=a and which deviates only slightly in streamwise slope from the stream direction as shown in sketch (j). For such a quasicylindrical body the local body radius,  $r_0$ , may be taken nearly equal to the constant radius, a, of the cylinder. Let the streamwise slope of the quasi-cylinder be specified by

$$\frac{d\mathbf{r}_{0}}{d\mathbf{x}}\Big|_{\mathbf{r}_{0}=\mathbf{a}} = \sum_{m=0}^{\infty} [f_{m}(\mathbf{x})\cos m\theta + g_{m}(\mathbf{x})\sin m\theta]$$
 (A1)

and

$$r_0 = a$$
 when  $x = 0$  (A2)

The cosine terms apply to a quasi-cylinder, the horizontal plane of which is a plane of symmetry. The sine terms apply when the surface slopes  ${\rm dr_O/dx}$  are reversed for corresponding points above and below the horizontal plane. Let us now derive an expression for the pressure field external to a quasi-cylinder with a horizontal plane of symmetry retaining only the cosine terms. The analysis is identical for the sine terms.

The linearized differential equation of steady supersonic compressible potential flow to be satisfied is

$$\beta^2 \varphi_{XX} - \varphi_{rr} - \frac{1}{r} \varphi_r - \frac{1}{r^2} \varphi_{\theta\theta} = 0$$
 (A3)

We introduce  $\Phi$ , the Laplace transform of  $\Phi$ ,

$$\Phi(s) = \int_{0}^{\infty} e^{-sx} \varphi(x) dx$$
 (A4)

subject to the boundary conditions that

$$\varphi(x) = 0 \qquad x \le 0$$

Then the transformed equation is

$$\Phi_{rr} + \frac{1}{r}\Phi_r + \frac{1}{r^2}\Phi_{\theta\theta} - \beta^2 s^2 \Phi = 0 \tag{A5}$$

The solution of this transformed equation subject to the boundary conditions of equation (Al) and of no upstream waves is

$$\Phi = \frac{V}{\beta s} \sum_{m=0}^{\infty} F_m(s) \frac{K_m(\beta sr)}{K_m!(\beta se)} \cos m\theta$$
 (A6)

The pressure coefficient is

$$P = -\frac{2(\partial \phi/\partial x)}{V} = -\frac{2}{\beta} L^{-1} \left[ \sum_{m=0}^{\infty} F_m(s) \frac{K_m(\beta sr)}{K_m'(\beta sa)} \cos m\theta \right]$$
 (A7)

To determine the inverse Laplace transform of equation (A7) requires the introduction of some previously untabulated functions defined as inverse Laplace transforms.

$$W_{m}(x,r) \equiv L^{-1} \left[ e^{s(r-1)} \frac{K_{m}(sr)}{K_{m}(s)} + \frac{1}{\sqrt{r}} \right]$$
 (A8)

From this definition and the properties of Laplace transforms, the following equalities can be written

$$L^{-1}\left[F_{m}(s)e^{-\beta as\left(\frac{r}{a}-1\right)}\right] = f_{m}\left[x - \beta a\left(\frac{r}{a}-1\right)\right]$$
 (A9)

$$L^{-1}\left[e^{\beta as\left(\frac{r}{a}-1\right)}\frac{K_{m}(\beta sr)}{K_{m}!(\beta sa)} + \frac{1}{\sqrt{r/a}}\right] = \frac{1}{\beta a}W_{m}\left(\frac{x}{\beta a}, \frac{r}{a}\right) \tag{A10}$$

From these equalities the pressure coefficient anywhere in the external field can be written for any quasi-cylinder of nearly circular cross section.

$$P = \frac{2}{\beta} \sum_{m=0}^{\infty} \cos m\theta \left\{ \frac{f_m[x, -\beta a(r/a - 1)]}{\sqrt{r/a}} - \frac{x - \beta a(\frac{r}{a} - 1)}{\int_{0}^{\infty} f_m(\xi) W_m \left[ \frac{x}{\beta a} - \left( \frac{r}{a} - 1 \right) - \frac{\xi}{\beta a} , \frac{r}{a} \right] d\xi \right\}$$
(A11)

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 $W_o(x,r)$ 

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03	.48891656	A5578896	A1584991	36648977	30310657
04	.48529483	A5248445	A1290511	36395782	30106017
.05 .06 .07 .08	48170871 47815772 47464143 47115939 46771116	.44921161 .44597005 .44275936 .43957918 .43642913	40998785 40709779 40423459 40139795 39858754	36144906 35896321 35650000 35405917 35164045	29903330 29702275 29503129 29305771 29110180
10	46429633	.43330884	39580305	34984358	28916336
11	46091447	.43021794	39304417	34686831	88724218
12	45756517	.42715609	39031059	34451439	28533806
13	45424802	.42412292	38760202	34218156	28345080
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24	.41977154	.39255616	35937730	31784562	26375032
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26	A1387744	38715182	35453840	31366842	26036631
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31	39961083	37406126	34880918	30353677	25215532
32	39683535	37151301	34052455	30156227	25055458
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50	35092451	32928653	30259925	26873242	28391074
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55 567 5589 59	33941495 33717230 33494891 33274456 33055904	31867821 31661010 31455941 31252594 31050951	29305100 29118856 28934149 28750961 28569278	26045066 25883446 25723132 25564112 25406371	21718029 21586636 21456290 21326980 21198695
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.7 5	29799576	.28042549	25854886	23046551	19277630

 $W_o(x,r)$ 

X	3.0	4.0	6.0	8.0	0.01
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25	23262718	19643241	15626116	13353353	11847819
26	23108309	19513032	15522296	13264399	11768135
27	22955293	19384004	15419422	13176260	11689776
28	22803654	19256142	15317484	13088924	11618132
29	22653376	19129433	15216471	13002382	11535196
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17	21498247	18155645	14440339	12337528	10944180
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22	20816569	17581127	13982589	11945478	10595708
23	20683756	17469204	13893428	11869120	10527841
24	20552086	17358250	13805042	11793429	10460567
356789 3323	20421547 20292126 20163810 20036588 19910447	17248252 17139199 17031083 16923891 16817613	13717423 13630561 13544448 13459077 13374437	11718395 11644013 11570274 11497171 11424697	10393879 10327771 10262235 10197267 10132858
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32	19538391	16504168	13124834	11210982	109942932
33	19416457	16401449	13043044	11140956	109880703
34	19295546	16299595	12961948	11071525	109819003
35	19175647	16198598	12881536	11002683	09757827
36	19056749	16098446	12801802	10934422	09697170
37	18938841	15999133	12722739	10866738	09637025
38	18821914	15900647	12644339	10799623	09577387
39	18705955	15802981	12566595	10733070	09518851
40	18590955	15706126	18489499	10667076	09459610
41	18476904	15610072	12413046	10601632	09401460
42	18363792	15514812	12337227	10536733	09343795
43	18251608	15420337	12362037	10472374	09286611
44	18140343	15326638	12187468	10408548	09229902
A5	18029987	15233708	12113513	10345251	09173662
A6	17920531	15141538	12040168	10282475	09117887
A7	17811965	15050120	11967424	10220217	09068573
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A9	17597466	14869510	11823716	10097228	08953304
50	17491515	14780302	11752740	10036487	08899340
51	17386418	14691815	11682341	099762485	08845817
52	17282166	14604043	11612513	09916485	08798731
53	17178750	14516976	11543250	09857215	08740076
54	17076162	14430609	11474546	09798424	08687848
55	16974393	14344934	11406395	09740109	08636043
56	16873435	14259943	11338793	09682264	08584657
57	16773280	14175631	11271732	096824884	085833685
58	16673919	14091989	11205208	09567964	08483122
59	16575344	14009012	11139215	09511500	08438965
60	16477548	13926692	11073747	09455487	08383210
61	16380522	13845023	11008800	09399921	08333852
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64	16093992	13603854	10817027	09235856	08188122
65	15999973	13524723	10754108	09182031	08140314
66	159906687	13446210	10691684	09128630	08092883
67	15814126	13368310	10629750	09075650	08045826
68	15722283	13291017	10568300	09023085	07999139
69	15631152	13214324	10507331	08970932	07952819
70	15540726	13138225	10446836	08919187	07906861
71	15450997	13062715	10386812	08867845	07861263
72	15361958	12987788	10327253	08816903	07816020
73	15273604	12913439	10268155	08766357	07771129
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77	29422305	27693510	25539491	22771958	19053845
78	29235990	27521099	25383661	22636257	18943233
79	29051201	27350075	25229060	22501606	18833463
.80	28867922	27180423	25075677	28367994	18724527
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.82	28505833	26845184	24772514	22103850	18509127
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.84	28149603	26515273	24474079	21843745	18296970
.85	27973648	26352284	24326606	21715184	18192089
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.87	27625985	26030171	241035092	21460996	17984688
.88	27454249	25871023	23891029	21335351	17888143
.89	27283891	25713130	23748081	21210659	17780369
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91	26947257	25401062	23465488	20964103	17579098
92	26780953	25846862	23325821	20842219	17479573
93	26715973	2593869	23187228	20721254	17380793
94	26452305	24942072	23049697	20601199	17282744
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116	23158773	21882977	20273705	18174009	15297740
117	23021991	21755743	20158059	18072724	15214788
118	22886249	21629462	20043263	17972170	15132424
119	22751537	21504124	19929310	17872340	15050643
1.20 1.22 1.23 1.24	22617846 324852 223555 223228 220931	21379721 212562 211337 210120 208913	19816192 197039 195924 194818 193719	17773228 176748 175771 174801 173838	14969441 148888 148087 147293 146503
125	219644	307714	192629	172882	145719
126	218366	206525	191546	171933	144941
127	217839	205344	190471	170990	144168
128	215839	204171	189404	170054	143400
129	214590	203008	188345	169125	148638
130	213350	201853	187293	168202	141881
131	212120	200706	186249	167286	141130
132	210898	199568	185212	166376	140383
133	209686	198438	184183	165473	139642
134	208482	197316	183161	164676	138906
135	207287	196202	183147	163685	138174
136	206101	195097	181140	163801	137448
137	204924	193999	180140	161922	136787
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139	202596	191828	178161	160184	135300
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1.42	199167	188630	175244	157622	133195
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2.44	196922	186535	173335	155943	131816
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1.46	194710	184471	171451	154287	130455
1.47	193616	183450	170520	153468	129781
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80	14673723	12408685	09867011	08423288	07466464
81	14590607	12338755	09811444	08375770	07424269
82	14508117	12269353	09756399	08328615	07382395
83	14426249	12200475	09701573	08281818	07380840
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92	13716420	11603336	09227205	07876233	26980717
93	13640447	11539429	09176447	07832841	26942191
94	13565033	11475995	09126066	07789771	26903952
95	13490174	11413027	D9076058	£7747021	06865998
96	13415864	11350523	D9026420	£07704588	06828326
97	13342098	11288478	D8977147	£07662469	06790933
98	13268872	11226887	D8928237	£7680661	06753816
99	13196180	11165747	D8879687	£07579161	06716974
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101	13052379	11044801	.08783651	.07497074	.06644103
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130	111831	094729	075368	064311	.056980
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132	110677	0942759	074598	063654	.056397
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140	106216	090008	071617	061113	054143
141	105675	089554	071257	060806	053870
142	105138	089108	070899	060500	053598
143	104605	088654	070543	060196	053329
144	104075	088208	070190	059894	053061
1.45	103548	087766	069839	059595	052795
1.46	103026	087326	069491	059297	052531
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1.53	1872	1775	1651	1487	1258
1.54	1862	1765	1642	1479	1252
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1.60 1.61 1.62 1.63 1.64	1801 1791 1791 1771 1762	1708 1699 1690 1681 1672	1590 1581 1565 1565	1433 1486 1418 1411 1404	1314 1208 1202 1196 1190
1.65	1752	1663	1548	1396	1184
1.66	1743	1654	1540	1389	1178
1.67	1743	1645	1532	1388	1178
1.68	1734	1636	1534	1375	1166
1.69	1714	1637	1516	1368	1161
1.70	1705	1618	1508	1361	1155
1.71	1696	1610	1500	1354	1149
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1.73	1678	1593	1484	1340	1138
1.74	1669	1584	1477	1333	1132
1.75 1.76 1.77 1.78 1.79	16612 16633 1683 1683	1576 1568 1559 1551 1543	1469 1461 1454 1446 1439	1327 1320 1313 1306 1300	1186 1121 1115 1110 1104
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1.82	1598	1519	1417	1280	1088
1.83	1590	1511	1409	1274	1083
1.84	1882	1503	1402	1267	1078
1.85	1573	1495	1395	1261	1072
1.86	1555	1487	1388	1255	1067
1.87	1557	1480	1381	1249	1062
1.88	1548	1472	1374	1242	1057
1.89	1540	1464	1367	1236	1052
190	1532	1457	1360	1230	1047
191	1534	1449	1353	1224	1042
192	1516	1448	1346	1218	1037
193	1508	1434	1339	1212	1032
194	1500	1437	1338	1206	1027
195	1493	1419	1326	1200	1022
196	1485	1418	1319	1194	1017
197	1477	1405	1518	1188	1012
198	1469	1398	1506	1182	1007
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215	1347	1283	1200	1088	0930
216	1340	1276	1194	1083	0925
217	1333	1270	1188	1078	0921
218	1386	1263	1182	1073	0917
219	1380	1257	1176	1068	0912
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1.58	1970	0823	Д655	D559	0495
1.59	1965	0819	Д653	D556	0493
160	0961	9815	D649	0553	D490
161	0956	9811	D645	0551	D488
162	0951	9807	D642	0548	D485
163	0947	9803	D639	0545	D483
164	0942	9799	D636	0543	D481
1.65	0937	.0795	0633	0540	D478
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1.67	0938	.0787	0627	0535	D474
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1.85	2851	0723	D576	£491	0435
1.86	2847	0719	D573	£489	0433
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195	0812	9690	0549	0469	0415
196	0808	9683	0544	0467	0413
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198	0801	9680	0542	0462	0410
199	0797	9677	0540	0460	0408
200	0793	0674	Q535	9458	1406
201	0786	0678	Q535	9454	1404
202	0788	0668	Q5330	9454	1402
203	0782	0665	Q538	9452	1400
204	0779	0662	Q537	9450	1399
205	0775	0659	9525	0448	0397
206	0772	0655	9523	0446	0395
207	0768	0653	9520	0444	0393
208	0765	0650	9518	0442	0391
209	0761	0647	9516	0440	0390
210	0758	D644	D513	D438	0388
211	0754	D641	D511	D436	0386
212	0751	D638	D509	D434	0384
213	0747	D635	D506	D432	0383
214	0744	D633	D504	D430	0381
215	0741	0630	0502	0428	0379
216	0737	0627	0500	0426	0378
217	0734	0624	0498	0425	0376
218	0731	0621	0495	0423	0374
219	0727	0619	0493	0421	0373
220	0724	D616	0491	D419	0371
221	0721	D613	0489	D417	0369
222	0718	D610	0487	D415	0368
223	0714	D608	0485	D413	0366
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227	12868	1208	1132	1028	0879
228	12862	1203	1136	1023	0875
229	12855	1197	1136	1018	0875
230	1849	1191	1115	1014	.0867
231	1243	1185	1110	1009	.0864
232	1237	1179	1105	1004	.0860
233	1231	1174	1100	0999	.0856
234	1235	1168	1094	0995	.0858
835	1819	1162	1089	1990	.08 4 8
836	1213	1157	1084	1986	.08 4 4
837	1207	1151	1079	1981	.08 4 0
838	1201	1145	1074	1976	.08 3 7
839	1195	1140	1069	1972	.08 3 3
3.40	1189	1134	1063	1967	0829
2.41	1183	1129	1058	1963	0825
2.42	1178	1184	1053	1959	0822
2.43	1178	1118	1048	1954	0818
3.44	1178	1113	1044	1950	0814
2.45	1160	1107	1039	0945	0811
2.46	1155	1102	1034	0941	0807
2.47	1149	1097	1089	0937	0804
2.48	1144	1092	1084	0932	0800
2.49	1138	1087	1019	0928	0796
255 255 255 255 255 255 255 255	1133 1127 1122 1117 1111	1081 1076 1071 1066 1061	1015 1010 1005 1000 0996	0924 0920 0916 0911 0907	0793 0789 0786 0782 0779
255 255 255 255 255 255 255 255	1106 1101 1095 1090 1085	1056 1051 1046 1041 1036	.0991 .0987 .0982 .0978 .0973	0903 0899 0895 0891 0887	2776 2772 2769 2765 2762
250	1080	1032	0969	2883	0759
251	1075	1027	0964	2879	0756
252	1070	1022	0960	2875	0752
253	1065	1017	0955	2871	0749
254	1060	1012	0951	2867	0746
2.65	1055	1008	0947	2863	.0742
2.66	1050	1003	0942	2860	.0739
2.67	1045	2998	0938	2856	.0736
2.68	1045	2994	0934	2852	.0733
2.69	1045	2989	0934	2848	.0730
870	1030	£985	0925	.0844	.0727
871	1025	£980	0921	.0841	.0723
878	1021	£976	0917	.0837	.0780
873	1016	£971	0913	.0833	.0717
274	1011	£967	0909	.0830	.0714
275	1006	0968	0905	0826	0711
276	1002	0958	0900	0822	0708
277	10997	0953	0896	0819	0705
278	10992	0949	0898	0815	0708
279	10988	0945	0888	0811	0699
2.80	0983	0940	0884	.0808	2696
2.81	0979	0936	0881	.0804	2693
2.82	0974	0932	0877	.0801	2690
2.83	0970	0928	0873	.0797	2687
2.84	0965	0923	0869	.0794	2685
2.95	1961	0919	0865	.0790	.0682
2.86	1957	0915	0861	.0787	.0679
2.87	1952	0911	0857	.0784	.0676
2.88	1948	0907	0853	.0780	.0673
2.89	1944	0903	0850	.0777	.0670
290	0939	0899	.0846	0774	Q667
291	0935	0895	.0848	0770	Q665
292	0931	0891	.0839	0767	Q662
293	0926	0887	.0835	0764	Q659
294	0922	0883	.0831	0760	Q656
295	.0918	.0879	.0828	0757	0654
296	.0914	.0875	.0824	0754	0651
297	.0910	.0871	.0820	0751	0648
298	.0906	.0867	.0817	0747	0646
299	.0908	.0863	.0813	0744	0643
3.00	.0898	£860	£810	.0741	£640

 $W_{\alpha}(x, r)$ 

X	3.0	4.0	6.0	8.0	10.0
2.25	£0708	.0602	J480	.0410	.0363
226	0705	0600	D478	0408	0361
227	0702	0597	D476	0406	0360
228	0699	0595	D474	0405	0358
229	0696	0592	D472	0403	0357
230	2693	0589	D470	£401	.0355
231	2689	0587	D468	£399	.0354
232	2686	0584	D466	£398	.0352
233	2683	0582	D464	£396	.0351
234	2680	0579	D463	£396	.0349
235	2677	£577	0460	0393	.0348
236	2674	£574	0458	0391	.0346
237	2671	£572	0456	0389	.0345
238	2669	£569	0454	0387	.0343
239	2666	£567	0452	0386	.0342
2.40	2663	0564	0450	0384	0340
2.41	.0660	0562	0448	0383	0339
2.42	2657	0559	0446	0381	0337
2.43	2654	0557	0444	0379	0336
2.44	2651	0555	0443	0378	0334
2,45	0648	.0552	0441	0376	0333
2,46	0646	.0550	0439	0375	0332
2,47	0643	.0548	0437	0373	0330
2,48	0640	.0545	0435	0371	0329
2,49	0637	.0543	0433	0370	0327
250 251 252 253 253 254	1635 2632 2629 1627 1624	0541 0538 0536 0534 0532	0432 0430 0428 0426 0424	D368 D367 D365 D364 D362	0326 0325 0323 0322
2.55	0621	Q529	0423	0361	0319
2.56	0619	Q527	0421	0359	0318
2.57	0616	Q525	0419	0358	0317
2.58	0613	Q523	0417	0356	0315
2.59	0611	Q521	0416	0355	0314
2.60	Q608	0518	0414	0353	0313
2.61	Q606	0516	0412	0352	0311
2.62	Q603	0514	0410	0350	0310
2.63	Q601	0512	0410	0349	0309
8.64	Q598	0510	0409	0347	0308
2.65 2.67 2.68 2.69	0595 0593 0591 0588 0586	0508 0506 0504 0501 0499	D405 D404 D402 D400 D399	0346 0345 0343 0342 0340	0306 0305 0304 0303 0301
2.7 0	0583	D497	0397	0339	0300
2.7 1	0581	.0495	0396	0338	0299
2.7 2	0578	.0493	0394	0336	0298
2.7 3	0576	.0491	0392	0335	0297
2.7 4	0574	.0489	0391	0334	0295
2.75	Q571	D487	0369	0532	0294
2.76	Q569	D485	0366	0531	0293
2.77	Q566	D483	0386	0530	0292
2.78	Q564	D481	0385	0528	02891
2.79	Q562	D479	0383	0527	0286
280	Q559	0477	0381	0326	0288
281	Q557	0476	0380	0324	0287
282	Q555	0474	0378	0323	0286
283	Q553	0472	0377	0322	0285
284	Q550	0470	0377	0322	0284
285	0548	0468	0374	0319	0278
286	0546	0466	0372	0318	0280
287	0544	0464	0371	0317	0280
288	0541	0462	0370	0315	0279
289	0539	0460	0368	0314	0283
290	0537	.0459	0367	0313	D277
291	0535	.0457	0365	0312	D276
292	0533	.0455	0364	0311	D275
293	0531	.0453	0362	0309	D274
294	0588	.0451	0361	0308	D273
295 296 297 298 299	0526 0524 0522 0520 0518	D450 D448 D446 D444 D443	Q358 Q357 Q355 Q355 Q355 Q3554	0307 0306 0304 0303 0303	0272 0271 0270 0269 0268
3.00	£ 516	.0441	.0352	.0301	១១៩៩

 $W_o(x, r)$ 

	W <sub>0</sub> \ X, 1 \					
X	<u> </u>	1.1	1.25	1.5	2.0	
3,00 3,02 3,03 3,04	Q 8 9 8 Q 8 9 4 Q 8 9 0 Q 8 8 6 Q 8 8 8	.0860 .0856 .0852 .0848 .0845	0810 0805 0805 0799 0796	0741 0738 0735 0738 0738	2640 2638 2635 2632 2632	
3.05 3.06 3.07 3.08 3.09	.0878 .0874 .0870 .0866 .0868	0841 0837 0833 0830 0836	0792 0789 0785 0782 0779	.0725 .0722 .0719 .0716 .0713	0627 0625 0622 0620 0617	
310 311 312 313 314	0859 0855 0851 0847 0843	0823 0819 0815 0812 0808	.0775 .0772 .0765 .0765	.0710 .0707 .0704 .0701 .0698	0615 0612 0610 0607 0605	
315 316 317 318 319	\$840 \$836 \$832 \$839 \$885	.0805 .0801 .0798 .0794 .0791	0759 0756 0758 0749 0746	2696 2693 2690 2687 2684	0602 0600 0597 0595 0593	
320 321 322 323 323 324	0822 0818 0814 0811 0807	.0788 .0784 .0781 .0777 .0774	0743 0740 0737 0733 0730	0681 0678 0676 0673 0670	0590 0588 0585 0583 0581	
3.25 3.26 3.27 3.28 3.29	0804 0800 0797 0793 0790	0771 0768 0764 0761 0758	0727 0724 0721 0718 0715	2667 2665 2663 2659 2656	0578 0576 0574 0572 0569	
330 331 332 333 334	.0787 .0783 .0780 .0777 .0773	0755 0751 0748 0745 0742	0712 .0709 .0706 .0703 .0700	0654 0651 0648 0646 0643	0567 0565 0563 0560 0558	
335 336 337 338 339	0770 0767 0763 0760 0757	.0739 .0736 .0732 .0739 .0786	0697 0695 0692 0689 0686	£641 £638 £635 £633 .0633	.0556 .0554 .0552 .0549 .0547	
3.40 3.41 3.42 3.43 3.44	.0754 .0750 .0747 .0744	.0723 .0720 .0717 .0714 .0711	0683 0680 0678 0675 0672	.0628 .0625 .0623 .0620 .0618	Q545 Q543 Q541 Q539 Q537	
3.45 3.46 3.47 3.48 3.49	0738 0735 0732 0729 0725	.0708 .0705 .0702 .0699 .0697	.0669 .0667 .0664 .0661 .0658	0615 0613 0610 0608	.0535 .0533 .0530 .0538 .0526	
3.50 3.51 3.52 3.53 3.54	0722 0719 0716 0713 0710	2694 2691 .0688 .2685 .0682	0656 0653 0650 0648	0603 0601 0598 0596 0593	.0524 .0522 .0520 .0518 .0516	
355 356 357 355 359	Q707 Q705 Q702 Q699 Q696	2679 2677 2674 2671 2668	0642 0640 0637 0635 0632	0591 0589 0586 0584 0582	.0514 .0512 .0510 .0508 .0507	
3.60 3.61 3.62 3.63 3.64	0693 0690 0687 0684 0682	0666 0663 0660 0658 0655	0630 0637 0633 0630	0580 0577 0575 0573 0571	0505 0503 0501 0499 0497	
3.65 3.66 3.67 3.68 3.69	.0679 .0676 .0673 .0670 .0668	9658 9650 9647 9644 9648	.0617 .0615 .0612 .0610 .0607	Q 5 6 8 Q 5 6 6 Q 5 6 6 2 Q 5 5 5 9	0495 .0493 .0491 .0490 .0488	
3.7 0 3.7 1 3.7 2 3.7 3 3.7 4	.0665 .0660 .0660 .0657 .0654	.0639 .0637 .0634 .0631 .0629	.0605 .0603 .0600 .0598	Q557 Q5555 Q553 Q551 Q549	£486 .0484 .0482 .0480 .0479	
3.75	2652	2626	Ee3a	£ 547	.0477	

W<sub>o</sub>(x, r)

	W <sub>0</sub> (x, r)					
X	3.0	4.0	6.0	8.0	10.0	
3.00	.0516	0441	0352	0301	.0266	
3.01	.0514	0439	0351	0300	.0265	
3.02	.0512	0437	0350	0299	.0264	
3.03	.0510	0436	0348	0297	.0263	
3.04	.0508	0434	0347	0296	.0262	
305	.0506	0432	.0346	0295	0261	
306	.0504	0431	.0344	0294	0260	
307	.0502	0429	.0343	0293	0259	
308	.0500	0427	.0342	0292	0258	
309	.0498	0426	.0340	0291	0257	
310	.0496	0484	.0339	0290	0256	
311	.0494	0482	.0338	0288	0255	
312	.0492	0481	.0337	0287	0254	
313	.0490	0419	.0335	0286	0253	
314	.0488	0417	.0334	0285	0253	
315	.0486	0416	0333	0284	0252	
316	.0484	0414	0331	0283	0251	
317	.0483	0413	0330	0282	0250	
318	.0481	0411	0339	0281	0249	
319	.0479	0409	0388	0280	0248	
320	0477	.0408	0326	D279	0247	
321	0475	.0406	0325	D278	0246	
322	0473	.0405	0324	D277	0245	
323	0471	.0403	0323	D276	0244	
324	0469	.0402	0322	D275	0243	
325	Q468	0400	0320	£274	0242	
326	Q466	0399	0319	£273	0241	
327	Q464	0397	0318	£272	0240	
328	Q462	0396	0317	£271	0240	
329	Q461	0394	0316	£270	0239	
330	0459	0393	0314	1269	0238	
331	0457	0391	0313	0268	0237	
332	0455	0390	0313	0267	0236	
333	0454	0388	0311	0266	0235	
334	0452	0387	0310	0265	0234	
335 336 337 338 339	0450 0448 0447 0445 0443	0385 0384 0383 0381 0380	.0309 .0308 .0306 .0305 .0304	.0 2 6 4 .0 2 6 3 .0 2 6 2 .0 2 6 1 .0 2 6 0	0833 0833 0833 0833	
3.40	.0442	0378	0303	259	0229	
3.41	.0440	0377	0302	2558	0228	
3.42	.0438	0375	0301	2257	0228	
3.43	.0437	0374	0300	2256	0227	
3.44	.0435	0373	0399	2255	0226	
3.45	0433	0371	0298	0254	0225	
3.46	0432	0370	0396	0253	0224	
3.47	0430	0369	0295	0252	0223	
3.48	0429	0367	0294	0251	0223	
3.49	0427	0366	0293	0251	0223	
350	0425	0365	0292	2250	0221	
351	0424	0363	0291	0249	0220	
352	0422	0362	0290	0248	0219	
353	0421	0361	0289	0247	0219	
354	0419	0359	0288	0246	0218	
355	0418	0358	0287	0245	0217	
356	0416	0357	0286	0244	0216	
357	0414	0355	0285	0243	0216	
358	0413	0354	0284	0243	0215	
359	0411	0353	0283	0243	0215	
3.60	0410	0352	0282	.0 2 4 1	0213	
3.61	0408	0350	0281	.0 2 4 0	0213	
3.63	0407	0349	0280	.0 2 3 9	0212	
3.63	0405	0348	0279	.0 2 3 8	0211	
3.64	0404	0347	0278	.0 2 3 8	0210	
3.65 3.66 3.67 3.68 3.69	0402 0401 0400 0398 0397	0345 0344 0343 0342 0340	D277 D276 D275 D274 D273	0237 0236 0235 02334 0233	0210 0209 0208 0207	
370 371 372 373 374	0395 0394 0398 0391 0390	0339 0338 0337 0336 0334	2272 0271 0270 0269 0268	0839 0831 0831 0833	0206 0205 0205 0204 0203	
3.75	.0388	0333	.0267	.0229	2020.	

	۷۷ <sub>0</sub> \ ۸, ۱/						
377	X		1,1	1.25	1.5	2.0	
388	3.76 3.77 3.78	0649 .0646 .0644	.0624 .0621 .0619	0591 0588 0586	.0545 .0542 .0540	0473	
386	3.81 3.82 3.83	.0636 .0633 .0631	0612 0609 0607	.0579 .0577 .0575	.0534 .0532 .0530	.0466 .0465	
391	3.86	.0623	.0600	D568	A 524	0458	
	3.87	.0631	.0597	D566	A 522	0456	
	3.88	.0618	.0595	D564	A 530	0454	
396	391 392 393	0611 0609 0606	.0588 .0586 .0583	0557 0555 0553	0514 0512 0510		
4.02	396	.0599	0576	.0546	.0505	.0441	
	397	.0597	0574	.0544	.0503	.0440	
	398	.0594	0572	.0542	.0501	.0438	
4.06	4.01 4.02 4.03	.0587 .0585 .0583	0565 .0563 .0561	.0536 .0534 .0532	.0 4 9 5 .0 4 9 3 .0 4 9 2	.0432	
411	4.06	2576	0554	.0526	A 4 8 6	0426	
	4.07	2574	0552	.0524	A 4 8 4	0424	
	4.08	2571	0550	.0522	A 4 8 3	0423	
416 417	411 418 413	.0565 .0563 .0560	.0544 .0542	0516 0514 0512	D 477 D 475 D 474	0418 0417 0415	
421       0543       0584       0495       0458       0402         422       0539       0520       0493       0455       0401         423       0539       0530       0493       0455       0399         424       0537       0518       0492       0455       0399         425       0533       0514       0488       0452       0397         436       0533       0514       0488       0452       0397         438       0529       0510       0484       0449       0394         439       0527       0510       0484       0449       0394         431       0529       0508       0483       0447       0394         431       0527       0508       0483       0447       0394         431       0523       0504       0479       0444       0399         433       0523       0504       0479       0444       0398         433       05219       0502       0477       0444       03887         433       05219       0503       0476       0443       0387         434       0517       0499       0476       0	416	.0 5 5 4	.0534	.0507	Ω469	.0411	
	417	.0 5 5 2	.0532	.0505	Ω467	.0409	
	418	.0 5 5 0	.0530	.0503	Ω465	.0408	
4.26       0.5333       0.514       0.488       0.452       0.397         4.28       0.529       0.510       0.484       0.449       0.394         4.29       0.527       0.508       0.484       0.449       0.392         4.30       0.528       0.506       0.481       0.445       0.391         4.31       0.523       0.504       0.479       0.444       0.390         4.33       0.521       0.502       0.477       0.442       0.388         4.34       0.517       0.499       0.476       0.441       0.388         4.35       0.517       0.499       0.474       0.439       0.386         4.35       0.515       0.497       0.472       0.437       0.384         4.36       0.513       0.495       0.470       0.436       0.383         4.37       0.511       0.495       0.469       0.433       0.386         4.38       0.510       0.491       0.469       0.433       0.388         4.39       0.508       0.488       0.467       0.434       0.376         4.40       0.506       0.488       0.467       0.428       0.376 <t< th=""><th>4.22 4.23</th><th>0543 0541 0539</th><th>0524 .0522 .0520</th><th>.0497 .0495 .0493</th><th>.0460 .0458 .0457</th><th>D404 D402 D401</th></t<>	4.22 4.23	0543 0541 0539	0524 .0522 .0520	.0497 .0495 .0493	.0460 .0458 .0457	D404 D402 D401	
431	4.26	0533	0514	.0488	.0 4 5 2	0397	
	4.27	0531	0512	.0486	.0 4 5 0	0395	
	4.28	0529	0510	.0484	.0 4 4 9	0394	
4.36	431	0523	.0504	.0479	D444	.0390	
	438	0521	.0503	.0477	D443	.0388	
	433	0519	.0501	.0476	D441	.0387	
4.41	436	.0513	.0495	.0470	.0436	.0383	
	437	.0511	.0493	.0469	.0434	.0382	
	438	.0-510	.0491	.0467	.0433	.0380	
4.46	4.41	₽504	0486	£462	.0428	.0376	
	4.42	₽502	0484	£460	.0427	.0375	
	4.43	₽500	0482	£459	.0425	.0374	
150 0497 0470 0470	4.46	0495	0477	.0454	0421	2370	
	4.47	0493	0475	.0453	0419	2369	
	4.48	0491	0474	.0450	0418	2367	
	4.50	£487	.0470	£447	.0415	2365	

X	3.0	4.0	6.0	8.0	10.0
3.75 3.76 3.77 3.78 3.79	0388 0387 0385 0384 0383	.0333 .0332 .0331 .0330 .0329	.0267 .0266 .0266 .0265 .0264	.0229 .0228 .0227 .0226 .0225	0200 0200 0201 0202
3.80	0381	0327	0263	0825	0199
3.81	0380	0326	0262	0824	0198
3.82	0379	0325	0261	0223	0198
3.83	0377	0324	0260	0822	0197
3.84	0376	0323	0259	0822	0196
3.85 3.86 3.87 3.88 3.89	0374 0373 0372 0371 0369	0322 0321 0319 0318 0317	0258 0257 0257 0256 0255	0221 02219 0219 0218	0196 0195 0194 0194 0193
390	0368	, 0316	0254	0217	0192
391	0367	0315	0253	0216	0192
392	0365	0314	0252	0216	0191
393	0364	0313	0251	0215	0190
394	0363	0313	0250	0214	0190
395	0361	0311	0250	0213	0189
396	0360	0310	0249	0213	0188
397	0359	0309	0248	0212	0188
398	0358	0308	0247	0211	0187
399	0356	0306	0246	0211	0187
400	9355	0305	0245	0210	0186
401	9354	0304	0845	0209	0185
402	9353	0303	0844	0208	0185
403	9352	0302	0243	0208	0184
404	9350	0302	0243	0208	0183
4.05	0349	0300	.0241	0206	0183
4.06	0348	0299	.0241	0206	0182
4.07	0347	0298	.0240	0205	0182
4.08	0346	0297	.0239	0204	0181
4.09	0344	0296	.0238	0204	0180
410 411 412 413 414	0343 0342 0341 0340 0338	0295 0294 0293 0293 0293	2337 2337 2336 2335 2334	0203 0202 0202 0201	.0180 .0179 .0179 .0178 .0177
415	Q337	0290	0234	0200	0177
416	Q336	0289	0233	0199	0176
417	Q335	0286	0232	0198	0176
418	Q334	0287	0231	0198	0175
419	Q333	0286	0230	0198	0175
420 421 422 423 424	Q3330 Q3339 Q3327 Q3327	0286 0285 0284 0283 0282	0230 0229 0228 0227 0227	0196 0196 0195 0195 0194	0174 0173 0173 0173 0172
4.25	Q326	0281	0 2 2 6	0193	0171
4.26	Q324	0280	0 2 2 5	0193	0171
4.27	Q322	0279	0 2 2 5	0192	0170
4.28	Q322	0278	0 2 2 4	0191	0170
4.29	Q322	0277	0 2 2 3	0191	0170
430 431 432 433 434	0321 03318 0317 0316	0276 0275 0374 0274 0273	0880 1880 1880 1880 1880	Д 190 Д 190 Д 189 Д 188 Д 188	0169 0168 0167 0167 0166
435	0315	0272	0219	0187	0166
436	0314	0271	0218	0187	0165
437	0313	0270	0217	0186	0165
438	0312	0269	0217	0185	0164
439	0311	0268	0216	0185	0164
4.40	0310	0267	0215	0184	0163
4.41	0309	0266	0215	0184	0163
4.42	0308	0266	0214	0183	0162
4.43	0307	0265	0213	0183	0162
4.44	0306	0264	0213	0182	0161
4.45	0304	0263	0212	0181	0161
4.46	0304	0862	0211	0181	0160
4.47	0303	0861	0211	0180	0160
4.48	0302	0861	0210	0180	0159
4.49	0301	0260	0209	0179	0159
4.50	.0300	.0259	.0209	<b>D179</b>	.0158

 $W_o(x, r)$ 

1			, — — — —	Ψο(Λ, 1 /		<del></del>
1.						<del></del>
1.50	4.51	A 485	0468	.0446	.0413	0364
	4.52	A 484	0467	.0444	.0412	0363
	4.53	A 482	0465	.0442	.0410	0361
461	4.56	.0477	0460	D438	.0406	0358
	4.57	.0475	0458	D436	.0405	.0356
	4.58	.0473	0457	D435	.0403	.0355
4.66	4.61	.0 4 6 8	0452	.0430	.0399	.0352
	4.62	.0 4 6 6	0450	.0428	.0398	.0351
	4.63	.0 4 6 5	0448	.0427	.0396	.0349
471	4.56	A 4 6 0	.0444	0482	0398	0346
	4.67	A 4 5 8	.0442	0481	0391	0345
	4.58	A 4 5 6	.0441	0419	0390	0344
4.77	4.7 1	D451	D436	.0415	0386	.0340
	4.7 2	D450	D434	.0414	0384	.0339
	4.7 3	D448	D433	.0412	0383	.0338
4881	4.7.6 4.7.7 4.7.8	.0443 .0442	0428 0487 0425	.0408 .0406 .0405	.0379 .0378 .0376	.0334 .0338
486	4.81	.0 4 3 5	.0421	.0401	0373	0329
	4.82	.0 4 3 4	.0419	.0399	.0371	0328
	4.83	.0 4 3 2	.0418	.0398	.0370	0327
491       0.480       0.406       0.387       0.360       0.319         493       0.417       0.403       0.385       0.358       0.317         494       0.416       0.402       0.383       0.357       0.316         4.95       0.415       0.401       0.382       0.356       0.315         4.96       0.413       0.399       0.381       0.354       0.311         4.97       0.412       0.398       0.379       0.353       0.353       0.351         4.98       0.410       0.397       0.378       0.3552       0.311         4.99       0.409       0.3397       0.378       0.3552       0.311         4.99       0.409       0.3397       0.378       0.3552       0.311         4.99       0.409       0.3397       0.378       0.3552       0.311         5.00       0.407       0.3994       0.376       0.3509       0.310         5.01       0.406       0.3991       0.3774       0.3477       0.308         5.02       0.405       0.391       0.3772       0.346       0.3477       0.346         5.03       0.400       0.3867       0.368       0.343<	4.86	Ω428	.0413	.0394	.0366	0324
	4.87	Ω426	.0412	.0393	.0365	0323
	4.88	Ω425	.0411	.0391	.0364	0323
4.96       0.4113       0.3998       0.3779       0.3553       0.3113         4.98       0.410       0.3997       0.378       0.3553       0.3113         4.99       0.409       0.395       0.377       0.3551       0.3111         5.00       0.409       0.3995       0.377       0.3551       0.3111         5.01       0.4066       0.3993       0.374       0.3499       0.3099         5.02       0.4055       0.391       0.372       0.3467       0.3007         5.03       0.403       0.3990       0.372       0.3466       0.3007         5.04       0.402       0.388       0.371       0.344       0.3007         5.05       0.400       0.387       0.369       0.344       0.3006         5.06       0.399       0.386       0.369       0.343       0.3006         5.07       0.398       0.385       0.366       0.3442       0.3003         5.09       0.3998       0.3883       0.3667       0.3442       0.3003         5.10       0.394       0.381       0.3664       0.3340       0.3001         5.11       0.3994       0.381       0.362       0.3337       0	491 492 493	.0422 .0420 .0419 .0417	0406 0405 0403	.0387 .0386 .0385	0360 0359 0358	.0319 .0318 .0317
501         0406         0393         0374         0349         0309           502         0405         0390         0373         0346         0306           503         0403         0390         0372         0346         0307           505         0400         0387         0368         0343         0304           506         0399         0386         0368         0343         0300           507         0398         0383         0366         0341         0300           508         0395         0383         0364         0341         0300           509         0394         0383         0364         0341         0300           510         0394         0381         0362         0337         0363         0337           511         0394         0378         0362         0337         0398         0399           511         0391         0378         0362         0337         0398         0399           511         0390         0376         0358         0377         0358         0377         0398           512         0387         0386         0373         0358         0333	4.96	.0413	Ω399	.0381	.0354	.0314
	4.97	.0412	Ω398	.0379	.0353	.0313
	4.98	.0410	Ω397	.0378	.0352	.0312
506         0399         0386         0386         0343         0304           507         0398         0383         0367         0343         0303           509         0396         0383         0364         0341         0303           510         0394         0381         0363         03337         0399           511         0392         0379         0363         0336         0336         0399           512         0391         0378         0361         0336         0336         0297           514         0388         0376         0358         0335         0297         0336           515         0387         0374         0358         0333         0396         0396           517         0388         0373         0356         0333         0395         0396           518         0386         0373         0356         0333         0393         0399           518         03884         0372         0355         03331         02993           519         03884         0371         0354         03329         0399           520         0380         0366         03550         <	5.01	.0406	Ω393	0374	D349	.0309
	5.02	.0405	Ω391	0373	D347	.0308
	5.03	.0403	Ω390	.0372	D346	.0307
511         0392         0379         0362         0337         0299           512         0391         0378         0361         0356         0236         0298           513         0390         0376         0358         0334         0297         0298           514         0388         0376         0358         0333         0297         0296           515         0387         0373         0356         0332         0294         0294           516         0384         0372         0358         0331         0293         0293           518         0382         0382         0354         0350         0292         0292           519         0382         0369         0353         0329         0298           520         0380         0368         0351         0328         0299           521         0379         0367         0350         0327         0290           522         0378         0366         0349         0387         0290           523         0377         0364         0349         0386         0386	5.06 5.07 5.08	0399 0398 0396	0386 0385 0383	0368 0367 0366	0343 0342	.0304
5.16         0.386         0.373         0.356         0.332         0.294           5.17         0.384         0.372         0.355         0.331         0.293           5.18         0.383         0.371         0.354         0.330         0.292           5.19         0.382         0.369         0.353         0.329         0.292           5.20         0.380         0.368         0.351         0.328         0.299           5.21         0.379         0.367         0.350         0.327         0.290           5.22         0.378         0.366         0.349         0.386         0.289           5.23         0.377         0.364         0.348         0.324         0.2888	511 512 513	0392 0391 0390	2379 2378 2377	.0362 .0361	.0337 .0336 .0335	0299 0298 0297
521 0379 0367 0350 0387 0290 522 0378 0366 0349 0386 0889 523 0377 0364 0364 0388	516	2386	.0373	0356	.0332	.0294
	517	2384	.0372	0355	.0331	.0293
	518	2383	.0371	0354	.0330	.0292
	521 522	.0379 .0378	2367 2366	.0350 .0349	.0327 .0386	0290 .0289 .0288
5.25 0.374 0.362 0.346 0.388 0.286	5.25	.0374	.0362	.0346	D 3 8 5	<b>0886</b>

			W <sub>0</sub> (X, I)		
X	3.0	4.0	6.0	8.0	10.0
4.50	0300	0259	0209	2179	0158
4.51	0399	0258	0208	2178	0158
4.52	0898	0257	0207	2177	0157
4.53	0897	0256	0207	2177	0157
4.54	0896	0256	0206	2177	0156
4.55	0295	0255	.0205	D176	Ω156
4.56	0294	0254	.0205	D175	Ω155
4.57	0293	0253	.0204	D175	Ω155
4.58	0292	0252	.0204	D174	Ω154
4.59	0292	0252	.0203	D174	Ω154
4.60 4.61 4.62 4.63 4.64	0290 0290 0289 0888 0887	.0251 .0250 .0249 .0248	0202 0202 0201 0200 0200	0173 0173 0173 0172 0172	0153 0153 0152 0152 0152
4.65	0286	D247	0199	0170	0151
4.66	0285	D246	0199	0170	0151
4.67	0284	D245	0198	0169	0150
4.68	0283	D245	0197	0169	0150
4.69	0282	D244	0197	0168	0149
4.70	0281	.0243	D196	0168	0149
4.71	0280	.0242	D196	0167	0148
4.72	0280	.0242	D195	0167	0148
4.73	0279	.0241	D194	0166	0147
4.74	0278	.0240	D194	0166	0147
4.75	0377	0239	0193	0165	0147
4.76	0376	0239	0193	0165	0146
4.77	0375	0238	0192	0164	0146
4.78	0374	0237	0191	0164	0145
4.79	0373	0236	0191	0163	0145
4.80 4.81 4.82 4.83 4.84	0273 0272 0271 0270 0269	0236 0235 0234 0233 0233	£190 £190 £189 £189 £188	0163 0162 0161 0161	0144 0144 0144 0143 0143
4.85 4.86 4.87 4.88 4.89	2268 2267 2267 2266 2265	0232 0231 0230 0230	0187 0187 0186 0186 0185	0161 0160 0160 0159 0159	0142 0142 0141 0141 0141
490 491 492 493 494	0264 0263 0263 0262 0261	0229 0228 0227 0226 0226	.0185 .0184 .0183 .0183	0158 0158 0157 0157 0156	0140 0140 0139 0139 0139
495	2869	0225	0182	0156	0138
496	2859	0224	0181	0155	0138
497	2859	0224	0181	0155	0137
498	2858	0223	0180	0154	0137
499	2858	0222	0180	0154	0137
500	Q256	0222	0179	0154	0136
501	Q255	0221	0179	0153	0136
502	Q255	0220	0178	0153	0135
503	Q254	0220	0178	0158	0135
504	Q253	0219	0177	0158	0135
5.05	0252	0218	0177	9151	0134
5.06	0251	0218	0176	9151	0134
5.07	0251	0217	0176	9151	0133
5.08	0250	0217	0175	9150	0133
5.09	0249	0216	0175	9150	0133
510	0348	Q215	0174	0149	0132
511	0248	Q215	0174	0149	0132
512	0247	Q214	0173	0148	0132
513	0246	Q213	0173	0148	0131
514	0245	Q213	0173	0148	0131
515 517 518 519	0845 0844 0843 0843 0843	0212 0211 0211 0210 0210	0172 0171 0171 0170 0170	£147 £147 £146 £146 £145	0130 0130 0130 0129 0129
520	0241	0209	0169	0145	0129
522	0240	0208	0169	0145	0128
522	0240	0208	0168	0144	0128
523	0239	0207	0168	0144	0127
524	0238	0207	0167	0144	0127
5.25	9520	9020	D167	D143	D127

 $W_o(x,r)$ 

	W <sub>o</sub> (x,r)					
X	1	1.1	1.25	1.5	2.0	
5.25 5.26 5.27 5.28 5.29	0374 0373 0371 0370 0369	.0362 .0361 .0360 .0358	.0346 .0345 .0343 .0342 .0341	0382 0381 0320 0319 0318	.0286 .0285 .0284 .0283 .0283	
530 531 532 533 534	0368 0367 0365 0364 0363	0356 0355 0354 0352 0351	0340 0339 0338 0337 0336	Q317 Q316 Q315 Q314 Q313	2882 0281 0280 0279 0278	
535 536 537 538 539	0362 0360 0359 0358 0357	0350 0349 0348 0347 0346	.0335 .0333 .0338 .0331 .0330	0318 0311 0310 0309 0308	D277 D277 D276 D275 D274	
5.40 5.41 5.42 5.43 5.44	.0356 .0358 .0353 .0353 .0352	.0344 .0343 .0348 .0341 .0340	0329 0328 0327 0326 0325	.0307 .0306 .0305 .0304 .0304	0273 0272 0878 0271 0270	
5,45 5,46 5,47 5,48 5,49	0350 0349 0348 0346 0346	.0339 .0338 .0337 .0336 .0335	.0324 .0323 .0322 .0321 .0320	0303 0302 0301 0300 0299	2269 .0268 .0267 .0267 .0266	
55523 55555 5555	0344 0343 0343 0341 0340	.0333 .0332 .0330 .0330	0319 0318 0317 0316 0315	Q298 Q297 Q296 Q295 Q294	0265 0264 0263 0263 0263	
5.5.5 5.5.6 5.5.7 5.5.8 5.5.9	0339 0338 0336 0335 0334	.0328 .0327 .0326 .0325 .0324	0314 0313 0318 0311 0311	.0 2 9 3 .0 2 9 2 .0 2 9 2 .0 2 9 0	0261 0260 0259 0259	
5&0 5&1 5&2 5&3 5&4	.0333 .0332 .0331 .0330 .0329	.0523 .0522 .0521 .0520 .0319	0309 0308 0307 0306 0305	A 28 9 A 28 8 A 28 7 A 28 6 A 28 5	0857 0856 0856 0855 0854	
5&5 5&6 5&7 5&8 5&9	0328 0327 0326 0325 0324	0318 0317 0316 0315 0314	0304 0303 0302 0301 0300	.0284 .0284 .0282 .0282	.0253 .0253 .0252 .0251 .0250	
5.70 5.71 5.72 5.73 5.74	9383 9382 9381 9389 9319	0313 0312 0311 0310 0309	0299 0298 0298 0297 0296	A280 A279 A278 A278 A277	.0850 .0249 .0248 .0248 .0247	
5.75 5.76 5.77 6.78 5.79	.0318 .0317 .0316 .0315	.0308 .0307 .0306 .0305	0295 0294 0293 0298 0291	.0276 .0275 .0274 .0273 .0273	0246 0245 0245 0245 0244 0243	
5.80 5.81 5.82 5.83 5.84	0313 0312 0311 0310 0309	.0303 .0302 .0301 .0300 .0299	0290 0289 0288 0288 0287	0272 0271 0270 0269 0269	.0243 .0242 .0241 .0240 .0240	
5.85 5.86 5.87 5.88 5.89	0308 0307 0306 0305 0304	0298 0298 0297 0296 0295	0 8 8 6 0 8 8 5 0 8 8 4 0 8 8 3 0 8 8 8	0268 0267 0266 0265 0265	0239 0238 0238 0236 0237	
5.90 5.91 5.98 5.93 5.94	0303 0308 0301 0300 0899	0294 .0293 .0292 .0291 .0290	0 282 0 281 0 280 0 27 9 0 27 8	0264 0263 0262 0261 0261	.0236 .0235 .0234 .0234 .0233	
5.95 5.96 5.97 5.98 5.99	.0298 .0297 .0296 .0295 .0295	0289 0288 0288 0287 0286	0277 0276 0276 0275 0274	0259 0258 0258 0258 0257	0232 0232 0231 0230	
6.00	.0294	<b>.0285</b>	£273	£256	១នន១	

 $W_0(x, r)$ 

	₩ <sub>0</sub> (X, r)					
X	3.0	4.0	6.0	8.0	10.0	
525	.0238	0206	D167	0143	0127	
526	.0237	0205	D166	0143	0126	
527	.0236	0205	D166	0142	0126	
528	.0235	0204	D165	0142	0126	
529	.0235	0204	D165	0142	0125	
530 531 532 533 534	0234 0233 0233 0232 0231	0203 0202 0202 0201	0164 0164 0163 0163	0141 0141 0140 0140 0139	0125 0125 0124 0124 0124	
535	0231	0200	0162	0139	0123	
536	0230	0200	0163	0139	0123	
537	0229	0199	0161	0138	0123	
538	0229	0198	0161	0138	0122	
539	0228	0198	0160	0138	0122	
540	0227	0197	0160	0137	0122	
541	0227	0197	0159	0137	0121	
542	0226	0196	0159	0136	0121	
543	0225	0196	0159	0136	0121	
544	0225	0195	0158	0136	0120	
5A5	0224	0194	0158	0135	0120	
5A6	0223	0194	0157	0135	0120	
5A7	0223	0193	0157	0135	0119	
5A8	0222	0193	0156	0134	0119	
5A9	0221	0193	0156	0134	0119	
55555 55555 55555	0221 0220 0219 0219 0218	0192 0191 0191 0190 0190	0156 0155 0155 0154 0154	0133 0133 0133 0138 0138	0118 0118 0118 0117 0117	
5.55	0218	.0189	.0153	0132	.0117	
5.56	0217	.0189	.0153	0131	.0116	
5.57	0216	.0188	.0153	0131	.0116	
5.58	0216	.0187	.0152	0131	.0116	
5.59	0215	.0187	.0152	0131	.0115	
5.60	0214	0186	D151	0130	0115	
5.61	0214	0186	D151	0129	0115	
5.63	0213	0185	D150	0129	0115	
5.63	0213	0185	D150	0129	0114	
5.64	0213	0184	D150	0128	0114	
5.65	0211	0184	0149	0128	0114	
5.66	0211	0183	0149	0128	0113	
5.67	0210	0183	0148	0127	0113	
5.68	0210	0182	0148	0127	0113	
5.69	0209	0182	0148	0127	0113	
5.70 5.71 5.72 5.73 5.74	0208 0208 0207 0207	0181 0181 0180 0180 0179	0147 0147 0146 0146 0146	0126 0126 0126 0125 0125	0112 0112 0112 0111 0111	
5.75	0206	0179	0145	0125	0111	
5.76	0205	0178	0145	0124	0110	
5.77	0204	0178	0145	0124	0110	
5.78	0204	0177	0144	0124	0110	
5.79	0203	0177	0144	0123	0110	
5.80	E020	0176	0143	0123	0109	
5.81	2020	0176	0143	0123	0109	
5.82	2020	0175	0143	0122	0109	
5.83	1020	0175	0142	0122	0108	
5.84	0020	0175	0142	0122	0108	
5.85	Q200	0174	0142	0122	0108	
5.86	Q199	0174	0141	0121	0108	
5.87	Q199	0173	0141	0121	0107	
5.88	Q198	0173	0140	0121	0107	
5.89	Q198	0173	0140	0120	0107	
590	0197	0172	0140	0120	0106	
591	0197	0171	0139	0120	0106	
592	0196	0171	0139	0119	0106	
593	0196	0170	0139	0119	0106	
594	0195	0170	0138	0119	0105	
5.95	0194	0169	0138	0118	0105	
5.96	0194	0169	0138	0118	0105	
5.97	0193	0169	0137	0118	0105	
5.98	0193	0168	0137	0118	0104	
5.99	0193	0168	0136	0117	0104	
6.00	D192	£167	D136	0117	D104	
				·		

 $W_o(x, r)$ 

	<del></del>	<del></del>	W <sub>0</sub> (X, r)	<del></del>	1 00
<u> </u>	1	1.1	1.25	1.5	2.0
6.00 6.01 6.08 6.03 6.04	0894 0893 0898 0891 0890	.0285 .0284 .0283 .0282 .0282	0273 0272 0272 0271 0270	D 856 D 855 D 855 D 854 D 853	0828 0828 0828 0828 0827
6.05 6.06 6.07 6.08 6.09	.0289 .0288 .0287 .0287 .0286	0281 0280 0279 0278	0269 0268 0267 0267 0266	0252 0252 0251 0250 0249	0226 0225 0224 0224 0223
610 611 612 613 614	0285 0284 0283 0282 0281	0276 0276 0275 0274 0273	0265 0264 0864 0863 0863	D849 D849 D847 D847 D846	.0830 0831 0833 0833
615 616 617 618 619	.0280 .0280 .0279 .0278 .0277	.0272 .0272 .0271 .0270 .0269	0261 0260 0860 0859 0859	0845 0844 0844 0843 0848	0220 0219 0218 0218 0217
622 622 622 622 624	0276 0275 0275 0274 0273	.0868 .0867 .0867 .0866 .0865	.0257 .0257 .0256 .0256 .0354	.0242 .0241 .0240 .0240 .0239	0216 0216 0215 0215 0215
6236 6237 6239	0272 0271 0271 0270 0269	.0264 .0264 .0263 .0262 .0262	.0254 .0253 .0253 .0253 .0251 .0251	0838 0837 0837 0837 0836 0835	0813 0813 0818 0818 0811
630 631 632 633 634	.0 8 6 8 .0 8 6 7 .0 8 6 6 .0 8 6 5	£260 £260 £259 £258 £257	.0250 .0249 .0249 .0248 .0247	.0235 .0234 .0233 .0233 .0232	0211 0210 0209 0209 0208
635 636 637 638 639	0864 0863 0863 0862 0861	.0257 .0256 .0255 .0254 .0254	.0246 .0246 .0245 .0244 .0244	0831 0831 0830 0830 0830	0208 0207 0207 0206 0205
640 641 642 643 644	0260 02869 02858 02858	0253 0252 0251 0251 0250	0243 0842 0241 0241 0240	.0 2 2 8 .0 2 2 8 .0 2 2 7 .0 2 2 6 .0 2 2 6	.0205 .0204 .0204 .0203 .0203
6.45 6.46 6.47 6.48 6.49	0 8 5 7 0 8 5 5 0 8 5 5 0 8 5 4 0 8 5 4	.0249 .0249 .0248 .0247 .0246	0239 0239 0238 0237 0237	0225 0224 0224 0223 0223	0808 0808 0801 0801 0800
650 651 658 653 654	0253 0253 0251 0251 0250	.0346 .0345 .0344 .0244 .0243	0236 0235 0235 0235 0854 0233	0888 0881 0880 0880	0199 0199 0198 0198 0197
655 656 657 658 659	.0249 .0248 .0247 .0246	0242 0242 0241 0240 0239	0233 .0238 .0231 .0231 .0230	0219 0218 0218 0217 0217	A197 A196 A196 A195 A195
660 661 663 663 654	0246 0345 0344 0243 0343	0239 0230 0237 0237 0236	0889 0289 0288 0288 0287	0216 0215 0215 0214 0214	0194 0194 0193 0193 0193
5 & 5 6 & 6 6 & 7 6 & 8 6 & 9	0848 0841 0841 0840 0839	0835 0255 0254 0253 0253	\O226 \O226 \O225 \O224 \O224	0813 0818 0818 0811 0811	0198 0191 0191 0190 0190
6.7 0 6.7 1 6.7 2 6.7 3 6.7 4	.0859 .0858 .0857 .0857 .0856	A232 A231 A231 A230 A229	0223 0223 0222 0221 0231	0210 0210 0209 0208 0208	0189 0189 0188 0188 0187
6.75	£835	ភឧឧទ	0880	.0807	.0187

 $W_o(x, r)$ 

					100
X	3.0	4.0	6.0	8.0	10.0
6.00 6.01 6.02 6.03 6.04	0192 0191 0190 0190	D167 D166 D166 D166 D165	0136 0136 0135 0135 0135	Q117 Q117 Q116 Q116 Q116	0104 0103 0103 0103 0103
605	0189	D165	0134	0115	0102
606	0189	D165	0134	0115	0102
607	0188	D164	0134	0115	0102
608	0188	D164	0133	0115	0102
609	0187	D163	0133	0114	0101
610	0187	0163	0133	0114	0101
611	0186	0162	0132	0114	0101
612	0186	0162	0132	0113	0101
613	0185	0162	0132	0113	0100
614	0185	0161	0131	0113	0100
615 616 617 618 619	0184 0184 0183 0183 0183	0161 0160 0160 0159 0159	.0131 .0131 .0130 .0130 .0130	0113 0112 0112 0112 0112	0100 0100 0099 0099
620	0182	0159	.0129	0111	0098
621	0181	0158	.0129	0111	0098
622	0181	0158	.0129	0111	0098
623	0180	0157	.0128	0110	0098
624	0180	0157	.0128	0110	0099
625	0179	0157	.0128	0110	0097
626	0179	0156	.0127	0110	0097
627	0178	0156	.0127	0109	0097
628	0178	0155	.0127	0109	0097
629	0178	0155	.0126	0109	0097
630	0177	0155	.0126	0108	0096
631	0177	0154	.0126	0108	0096
632	0176	0154	.0125	0108	0096
633	0176	0153	.0125	0108	0096
634	0175	0153	.0125	0107	0095
635	0175	.0153	.0125	0107	0095
636	0174	.0152	.0124	0107	0095
637	0174	.0152	.0124	0107	0095
638	0173	.0152	.0124	0106	0094
639	0173	.0151	.0125	0106	0094
640 641 642 643 644	0178 0172 0172 0171 0171	.0151 .0150 .0150 .0150 .0149	0123 0123 0122 0122 0122	.0106 .0106 .0105 .0105 .0105	.0094 .0094 .0093 .0093
645	0170	0149	0122	0105	0008
646	0170	0148	0121	0104	0008
647	0169	0148	0121	0104	0008
648	0169	0148	0121	0104	0009
649	0169	0147	0120	0104	0009
650 651 652 653 654	0168 0168 0167 0167 0166	0147 0147 0146 0146 0146	.0120 .0120 .0119 .0119 .0119	0103 0103 0103 0103 0102	0098 0091 0091 0091
655 656 657 658 659	.0166 .0166 .0165 .0165 .0164	0145 0145 0144 0144 0144	0119 0118 0118 0118 0117	0102 0103 0103 0101	0091 0090 0090 0090 0090
6.60	.0164	0143	0117	0101	0 9 0 0
6.61	.0163	0143	0117	0101	9 8 0 0
6.62	.0163	0143	0117	0100	9 8 0 0
6.63	.0163	0142	0116	0100	9 8 0 0
6.64	.0162	0142	0116	0100	9 8 0 0
6.65 6.66 6.67 6.68 6.69	0162 .0161 .0161 .0161 .0160	.0143 .0141 .0141 .0141	0116 0115 0115 0115 0115	0100 0099 0099 0099 0099	9800. 8800. 8800. 8800. 8800.
6.7 0	0160	.0140	0114	8 6 0 0	0087
6.7 1	0159	.0140	0114	8 6 0 0	0087
6.7 2	0159	.0139	0114	8 6 0 0	0087
6.7 3	0159	.0139	0114	8 6 0 0	0087
6.7 4	0158	.0139	0113	8 6 0 0	0087
6.75	.0158	D138	.0113	.0 0 9 7	9800

	1	1.i	1.25	1.5	2.0
6.75	.D235	0889	0880	.D207	.0187
6.7 6 6.7 7	0835 0234	9880°	.0219 .0219	£0207 £0206	0186 0186
6.78	£233	£227	0218 0218	0206 0205	0185 0185
6.79	0233	0886		]	
6.80 6.81	.0232 .0231	.0226 .0225	0217 0216	.0804 .0804	.0184 .0184
6.83	.0231 .0230	0224 0224	D216 D215	0803 0803	£0183 £0183
6.84	0889	D283	.0215	0202	2182
6.85 6.86	0229 0229	0222 0223	0214 0214	0202 0201	.0182 .0181
6.87	0227 0227	0221 0221	0213	0201 0200	.0181
6.88 6.89	2886	0880	0212	.0200	.0180 .0180
6.90	<b>១</b> នន <b>ខ</b>	ហ៊ុនទំ០	ប់នវាវ	0199	£180
6.91 6.92	.0225 .0224	.0819 .0818	.0311 .0310	0199 0198	0179 0179
6.93 6.94	.0224 .0223	0818 0817	0809 0809	0198 0197	.0178 .0178
6.95	១ននន	.0217	8020.	£196	.0177
696 697	0223 0821	.0216 .0215	.0208 .0207	0196 0195	0177 0176
6 <i>9</i> 8	.0221	<b>.0215</b>	.0207	D195	) £176
6.99	0880	.0214	0806	0194	.0175
7.00 7.01	D219 D219	.0214 .0213	.0205 .0205	.0194 .0193	0175 0175
7.02 7.03	0218 0218	0212 0212	.0204 .0204	.0193 .0192	.0174 .0174
7.04	.0217	<b>D811</b>	D803	D192	£173
7.05 7.06	0216 0216	.0211 .0210	D203 D203	0191 0191	.0173 .0172
7.07	£215	0210 0209	0202 0201	0190 0190	0172 0171
7.08 7.09	.0215 .0214	208	2201	2189	จี๋า๋า๋า๋
740	0213	9080	0800	0189	0171
7.11 7.12	0213 0213	.0207 .0207	.0200 .0199	0188 0188	0170 0170
7.13 7.14	0212 0211	9080 0806	0199 0198	0187 0187	0169 0169
715	.0211	.0205	.0198	£186	.0168
716 717	0210 0209	.0205 .0204	D197 D196	2186 2185	.0168 .0168
718 719	0808 0808	0203 0203	£196 £195	0185 0185	.0167 .0167
7.20	8080	2020	.0195	D184	.0166
7.21 7.22	£207 £207	.0202 .0201	£194 £194	0184 0183	D166 D166
7.23	20806	.0201 .0200	0193 0193	0183 0182	0165 0165
7.24	£0306	-	_		
7.25 7.26	2205 2204	.0200 .0199	.0192 .0192	0182 0181	0164 0164
7.27	0204 0203	0199 0198	.0191 .0191	0181 0180	0164 0163
7.29	.0203	.0198	.0190	.0180	D163
730 731	0808 0808	0197 0197	.0190 .0189	0179 0179	0168 0162
731 738 733	0201 0201	D196 D195	£189 £188	0178 0178	D162 D161
734	0080	.0195	.D188	D178	D161
7.35 7.36	2200 2199	0194 0194	£187 £187	0177 0177	.0160 .0160
737	0199 0198	0193 0193	D186 D186	0176 0176	0160 0159
739	2197	<b>มี</b> วังสั	D186	D175	2159
7.40	.0197 .0196	.0192 .0191	D185	D175 D174	.0158
7.41 7.42	.0196	. 0191	.0185 .0184	.0174	.0158 .0158
7.43 7.44	0195 0195	0190 0190	.0184 .0183	.0174 .0173	.0157 .0157
7.45	.0194	£189	.0183	£173	£156
7.46 7.47	.019'4 .0193	.0189 .0188	.0182 .0183	D172 D172	2156 2156
7.48 7.49	0193 0198	2188 2187	0161 0181	D171 D171	Δ155 Δ155
7.50	£198	.0187	.D180	D171	.0155
	~		_ <del></del>		

 $W_o(x, r)$ 

- r	1 70	40	W <sub>0</sub> (X, 1)	6.0	100
X	3.0	4.0	6.0	8.0	10.0
6.75 6.76 6.77 6.78 6.79	0158 0157 0157 0157 0156	.0138 .0138 .0138 .0137 .0137	0113 0113 0113 0112 0112	Q 0 9 7 Q 0 9 7 Q 0 9 7 Q 0 9 7 Q 0 9 6	3800 3086 3086 3086 3086
6.80 6.81 6.82 6.83 6.84	.0156 .0155 .0155 .0155 .0154	0137 0136 0136 0136 0135	0112 0111 0111 0111 0111	.0 0 9 6 .0 0 9 6 .0 0 9 6 .0 0 9 6 .0 0 9 5	0085 0085 0085 0085
6.85 6.86 6.87 6.88 6.89	0154 0153 0153 0153 0153	0135 0135 0134 0134 0134	0110 0110 0110 0110 0109	0 0 9 5 0 0 9 5 0 0 9 5 0 0 9 4	.0084 .0084 .0084 .0084
690 691 692 693 694	.0152 .0152 .0151 .0151 .0150	.0133 .0133 .0133 .0138 .0138	.0109 .0109 .0109 .0108 .0108	.0 0 9 4 .0 0 9 4 .0 0 9 3 .0 0 9 3	0084 0083 0083 0083 0083
6.95 6.96 6.97 6.98 6.99	0150 0150 0149 0149 0149	0132 0131 0131 0131 0131	.0108 .0108 .0107 .0107 .0107	0093 0093 0093 0098	0083 0083 0083 0083 0083
7.00 7.01 7.02 7.03 7.04	0148 0148 0148 0147 0147	0130 0130 0130 0129 0129	D107 D106 D106 D106 D106	0092 0092 0091 0091 0091	0082 0081 0081 0081 0081
7.05 7.06 7.07 7.08 7.09	0147 0146 0146 0145 0145	0129 0128 0128 0128 0128	0105 0105 0105 0105 0105	0091 0091 0090 0090 0090	.0081 .0081 .0080 .0080
710 711 712 713 714	0145 0144 0144 0144 0143	0127 0127 0127 0126 0126	.0104 .0104 .0104 .0104 .0103	090 090 090 089 089 089	0080 0080 0080 0079 0079
715 716 717 718 719	0143 0143 0142 0142 0142	0126 0125 0125 0125	.0103 .0103 .0103 .0102 .0102	000 000 000 000 000 000 000 000 000 00	.0079 .0079 .0079 .0078 .0078
720 721 722 723 724	0141 0141 0141 0140 0140	0124 0124 0124 0123 0123	0102 0102 0101 0101 0101	2088 2088 2087 2087 2087	2078 2078 2078 2078 2078 2077
725 726 727 728 729	.0140 .0139 .0139 .0139	0123 0122 0122 0122 0122	0101 0101 0100 0100 0100	0087 0087 0087 0086 0086	0077 0077 0077 0077 0077
730 731 732 733 734	.0138 .0138 .0137 .0137 .0137	0121 0121 0121 0121 0120	0100 0099 0099 0099 0099	0 0 8 6 0 0 8 6 0 0 8 5 0 0 8 5	D076 .0076 .0076 .0076 .0076
735 736 737 738 739	0136 0136 0136 0135 0135	0120 0120 0119 0119 0119	9099 0098 0098 0098 9090	0085 0085 0085 0084 0084	.0076 .0075 .0075 .0075 .0075
740 741 742 743 744	0135 0135 0134 0134 0134	0119 0118 0118 0118 0118	0097 0097 0097 0097 0097	0084 0084 0084 0084 0083	D075 D075 D074 D074 D074
7.45 7.46 7.47 7.48 7.49	0133 0133 0133 0132 0132	0117 0117 0117 0116 0116	0096 0000 0000 0000 0000	0063 0083 0083 0083	0074 0074 0074 0074 0074
7.50	.0132	.0116	.0095	8800	.0073

Wo(x, r)

X         1         1.1         1.25         1.5         2.           7.50         0.192         0.187         0.180         0.171         0.15           7.51         0.191         0.187         0.180         0.170         0.15           7.52         0.191         0.186         0.179         0.170         0.15           0.170         0.15         0.170         0.15	
7.51 0.191 0.187 0.180 0.170 0.15 7.52 0.191 0.186 0.179 0.170 0.15	
7.53 0190 0186 0179 0169 015 7.54 0190 0185 0179 0169	4 4 3 3
7.55         0.189         0.185         0.178         0.168         0.15           7.56         0.189         0.184         0.178         0.168         0.15           7.57         0.188         0.184         0.177         0.168         0.15           7.58         0.188         0.183         0.177         0.167         0.15           7.59         0.187         0.183         0.176         0.167         0.15	2 2 2
7.50	1 0 0
7.65	9 8 8
7.70	7 7 6
7.75	5 5 5
780 0178 0173 0167 0158 014 781 0177 0173 0167 0158 014 782 0177 0172 0166 0158 014 783 0176 0172 0166 0157 014 784 0176 0172 0166 0157 014	4 3 3
7.85	2 2 1
790 0173 0169 0163 0155 014 791 0173 0169 0163 0154 014 792 0173 0168 0162 0154 014 793 0172 0168 0162 0154 014 794 0171 0167 0162 0153 013	0 0 0
795         0171         0167         0161         0153         013           796         0171         0167         0161         0152         013           797         0170         0166         0160         0152         013           798         0170         0166         0160         0152         013           799         0169         0165         0160         0151         013	9 8 8
8.00     0169     0165     0159     0151     013       8.01     0169     0164     0159     0151     013       8.02     0168     0164     0159     0150     013       8.03     0168     0164     0159     0150     013       8.04     0167     0163     0158     0150     013	7 7 6
8.05         .0167         .0163         .0157         .0149         .013           8.06         .0166         .0162         .0157         .0149         .013           8.07         .0166         .0162         .0157         .0149         .013           8.08         .0166         .0162         .0157         .0149         .013           8.09         .0165         .0161         .0156         .0148         .013           8.09         .0165         .0161         .0156         .0148         .013	6 5 5
8.10         0.165         0.161         0.156         0.147         0.13           8.11         0.164         0.161         0.1555         0.147         0.13           8.12         0.164         0.160         0.1555         0.147         0.13           8.13         0.164         0.160         0.154         0.146         0.13           8.14         0.163         0.159         0.154         0.146         0.13	4 4 3
815     .0163     .0159     .0154     .0146     .013       816     .0162     .0159     .0153     .0145     .013       817     .0162     .0158     .0153     .0145     .013       818     .0162     .0158     .0153     .0145     .013       819     .0161     .0157     .0152     .0144     .013	2 2 2
820     0161     0157     0152     0144     013       821     0160     0156     0151     0144     013       823     0160     0156     0151     0143     013       824     0159     0156     0150     0143     013	1 1 0
8.25 .0159 .0155 .0150 .0142 .013	0

W<sub>o</sub>(x, r)

X	3.0	4.0	6.0	8.0	10.0
7.50 7.51 7.52 7.53 7.54	0132 0131 0131 0131 0131	0116 0116 0115 0115 0115	0095 0095 0095 0095 0095	0 08 8 0 08 5 0 08 8 0 08 8 0 08 8	0073 0073 0073 0073 0073
7.55 7.56 7.57 7.58 7.59	0130 0130 0130 0129 0129	0115 0114 0114 0114 0114	0094 0094 0094 0094 0094	0081 0081 0081 0081 0081	0072 0072 0073 0072 0072
7.60 7.51 7.62 7.63 7.64	0129 0128 0128 0128 0128	0113 0113 0113 0113 0112	.0093 .0093 .0093 .0093	2081 2080 2080 2080 2080	.0072 .0072 .0071 .0071 .0071
7.65 7.66 7.67 7.68 7.69	0127 0127 0127 0126 0126	0112 0112 0112 0111 0111	000 8 000 8 000 8 000 8 000 8	0080 0080 0079 0079 0079	0071 0071 0071 0071 0070
7.70 7.71 7.72 7.73 7.74	0126 0126 0125 0125 0125	0111 0111 0110 0110 0110	0091 0091 0091 0091	0079 0079 0079 0078 0078	0070 0070 0070 0070 0070
7.75 7.76 7.77 7.78 7.79	D124 D124 D124 D124 D123	0110 0109 0109 0109 0109	0000 0000 0000 0000	0078 0078 0078 0078 0078	0069 0069 0069
7.80 7.81 7.82 7.83 7.84	0123 0123 0123 0122 0122	0109 0108 0108 0108 0108	0089 0800 0800 0800	0077 0077 0077 0077 0077	0068 0068 0068 0068
7.85 7.86 7.87 7.88 7.89	0122 0121 0131 0121 0121	D107 D107 D107 D107 D106	8800 8800 8800 8800	A 0 7 6 A 0 7 6 A 0 7 6 A 0 7 6 A 0 7 6	00 68 00 68 00 68 00 68
790 791 792 793 794	0120 0120 0120 0120 0120	0106 0106 0106 0106 0106	.0088 .0087 .0087 .0087 .0087	A 076 A 076 A 075 A 075 A 075	.0067 .0067 .0067 .0067 .0067
795 796 797 798 799	0119 0119 0118 0118 0118	0105 0105 0105 0104 0104	.0087 .0087 .0086 .0086 .0086	0075 0075 0075 0074 0074	D067 D067 D066 D066 D066
800 801 802 803 804	0118 0117 0117 0117 0117	0104 0104 0104 0103 0103	0086 0086 0085 0085 0085	0074 0074 0074 0074 0074	2066 2066 2066 2066
8.05 8.06 8.07 8.08 8.09	0116 0116 0116 0116 0116	0103 0103 0102 0102 0102	2085 2085 2085 2084 2084	0073 0073 0073 0073 0073	0065 0065 0065 0065 0065
810 811 812 813 814	0115 0115 0115 0114 0114	0101 0101 0101 0101	.0084 .0084 .0084 .0084 .0083	0073 0073 0072 0072 0072	0065 0065 0064 0064 0064
815 816 817 818 819	0114 0114 0113 0113 0113	0101 0101 0100 0100	.0083 .0083 .0083 .0083 .0083	0072 0072 0072 0072 0072	D0 64 D0 64 D0 64 D0 64 D0 64
820 821 822 823 824	Q113 Q112 Q112 Q112 Q112	0099 0099 0099	.0082 .0082 .0082 .0082	0071 0071 0071 0071 0071	2063 2063 2063 2063 2063
8.25	.0113	e e o a.	2800.	£071	.0063

.

 $W_o(x,r)$ 

			$W_o(x,r)$		
$\overline{\chi}$	l .	l.l	1.25	1.5	2.0
8.25 8.26 8.27 8.28 8.29	0159 0159 0158 0158	0155 0155 0154 0154 0154	0150 0150 0149 0149 0149	0148 0148 0148 0141 0141	.0130 .0130 .0129 .0129 .0129
830	Q157	0153	0148	0141	0128
831	Q157	0153	0148	0140	0128
832	Q156	0153	0148	0140	0128
833	Q156	0152	0147	0140	0128
834	Q156	0152	0147	0140	0127
8.35	.0155	0153	0147	0139	Q127
8.36	.0155	0151	0146	0139	Q127
8.37	.0154	0151	0146	0139	Q126
8.38	.0154	0150	0146	0138	Q126
8.39	.0154	0150	0145	0138	Q126
840	Q153	0150	0145	0138	0126
841	Q153	0149	0145	0137	0125
842	Q153	0149	0144	0137	0125
843	Q152	0149	0144	0137	0125
844	Q152	0148	0144	0136	0124
. 8.45 8.46 8.47 8.48 8.49	.0151 .0151 .0150 .0150	0148 0148 0147 0147 0147	Q143 Q143 Q143 Q143 Q148	£136 £136 £135 £135 £135	0124 0124 0123 0123
8.50	.0150	2146	0142	0135	0123
8.51	.0149	2146	0141	0134	0123
8.53	.0149	2146	0141	0134	0128
8.53	.0149	2145	0141	0134	0122
8.54	.0148	2145	0140	0133	0122
8.55 8.56 8.57 8.58 8.59	.0148 .0148 .0147 .0147 .0147	.0145 .0144 .0144 .0144 .0143	0140 0140 0139 0139 0139	0133 0133 0138 0138 0138	0188 0181 0181 0131
8.60	0146	0143	0138	0138	0120
8.61	0146	0143	0138	0131	0120
8.62	0146	0142	0138	0131	0180
8.63	0145	0142	0137	0131	0119
8.64	0145	0142	0137	0130	0119
8.65	0145	.0141	0137	.0130	.0119
8.66	0144	.0141	0136	.0130	.0119
8.67	0144	.0141	0136	.0130	.0118
8.68	0144	.0140	0136	.0139	.0118
8.69	0143	.0140	0136	.0129	.0118
8.70	0143	0140	0135	0129	0118
8.71	0143	0139	0135	0128	0117
8.72	0142	0139	0135	0128	0117
8.73	0142	0139	0134	0128	0117
8.74	0142	0139	0134	0128	0117
8.75	0141	0138	0134	0127	0116
8.76	0141	0138	0133	0127	0116
8.77	0141	0137	0133	0127	0116
8.78	0140	0137	0133	0126	0116
8.79	0140	0137	0133	0126	0115
8.80	0140	0137	.0138	0126	0115
8.81	0139	0136	.0138	0126	0115
8.82	0139	0136	.0138	0125	0115
8.83	0139	0136	.0131	0125	0114
8.84	0138	0136	.0131	0125	0114
8.85	Q138	0135	0131	0124	0114
8.86	Q138	0135	0131	0124	0114
8.87	Q137	0134	0130	0124	0113
8.88	Q137	0134	0130	0124	0113
8.89	Q137	0134	0130	0133	0113
8.90 8.91 8.92 8.93 8.94	0137 0136 0136 0136 0135	0134 0133 0133 0133 0133	0189 0129 0129 0128 0128	0123 0123 0122 0122	0113 0113 0118 0118 0118
8.95	0135	0132	0188	0122	0118
8.96	0135	0132	0128	0122	0111
8.97	0134	0131	0127	0121	0111
8.98	0134	0131	0127	0121	0111
8.99	0134	0131	0127	0121	0111
0.00	.0133	.0131	.0127	D121	.0110

 $W_{\alpha}(x, r)$ 

W <sub>o</sub> (x, r)					
X	3.0	4.0	6.0	0.8	10.0
825 826 827 828 829	0112 0111 0111 0111 0111	0098 0098 0098 0099	0081 0081 0081 0081	D 071 D 070 D 070 D 070 D 070	20 63 20 63 20 63 20 63
830 831 832 833 833	0110 0110 0110 0110 0109	0098 0097 0097 0097 0097	0081 0081 0080 0080 0080	D070 D070 D070 D069 D069	00 62 00 62 00 62 00 62 00 62
835 836 837 838 838	0109 0109 0109 0108 0108	2097 2096 2096 2096 2096	Д080 Д080 Д080 Д079 Д079	0000 0000 0000 0000 0000	0062 0062 0061 0061
840 841 842 843 844	0108 0108 0108 0107 0107	0096 0095 0095 0095 0095	0079 0079 0079 0079 0079	0068 0068 0068 0068 0069	0061 0061 0061 0061 0061
845 846 847 848 849	0107 0107 0106 0106 0106	2095 2094 2094 2094 2094	0078 0078 0078 0078 0078	0068 0068 0068 0067 0067	00 60 00 60 00 60 00 60
8.50 8.51 8.52 8.53 8.54	0106 0106 0105 0105 0105	0094 0094 0093 0093 0093	D078 D077 D077 D077 D077	D067 D067 D067 D067 D067	00 50 00 60 00 60 00 60 00 60
8.55 8.56 8.57 8.58 8.59	0105 0104 0104 0104 0104	0008 0008 0008 0008 0008	2077 2077 2077 2076 2076	0067 0066 0066 0066 0066	Q0 5 9 Q0 5 9 Q0 5 9 Q0 5 9 Q0 5 9
8.50 8.51 8.62 8.63 8.64	0104 0103 0103 0103 0103	0092 0092 0091 0091 0091	0076 0076 0076 0076 0076	1066 1066 1066 1066 1065	0000 0000 0000 0000 0000 0000 0000 0000 0000
8.55 8.56 8.57 8.68 8.59	0103 0102 0102 0102	0091 0091 0091 0090 0090	0075 0075 0075 0075 0075	Д 0.65 .0 065 .0 065 .0 065 .0 065	0058 0058 0058 0058 0058
8.70 8.71 8.72 8.73 8.74	0101 0101 0101 0101 0101	089 089 089 089 089	0075 0075 0074 0074 0074	0065 0065 0064 0064 0064	Q058 Q058 Q057 Q057 Q057
8.75 8.76 8.77 8.78 8.79	£100 £100 £100 £100 £100	089 089 089 089 089 089	0074 0074 0074 0074 0073	D 0 6 4 D 0 6 6 4 D 0 6 6 4 D 0 6 6 4	2057 2057 2057 2057 2057
8.80 8.81 8.82 8.83 8.84	0000 0000 0000 0000 0000 0000	.0088 .0088 .0088 .0088	0073 0073 0073 0073 0073	0064 0063 0063 0063	.0057 .0056 .0056 .0056
8.85 8.86 8.87 8.88 8.89	0098 0098 0098 0098 0098	0087 0087 0087 0087 0087	0073 0072 0072 0072 0072	Q 062 Q 063 Q 063	9056 9056 9056 9056 9056
890 891 892 893 894	0097 0097 0097 0097 0097	0087 0086 0086 0086	0072 0072 0072 0071 0071	2000 2000 2000 2000 2000 2000 2000 200	.0056 .0055 .0055 .0055
895 896 897 898 899	0096 0096 0096 0096	9086 9086 9085 9085 9085	0071 0071 0071 0071 0071	0062 0062 0062 0061 0061	90555 90555 90555 90555
9.00	D096	.0085	.0071	.0061	ρ055

 $W_{q}(x, r)$ 

	$W_{o}(x, r)$					
X		l.l	1.25	1.5	2.0	
9,00 9,01 9,02 9,03 9,04	0133 0133 0133 0133 0133	0131 0130 0130 0130 0130	0127 0126 0126 0126 0126	0121 0120 0120 0120 0120	0110 0110 0110 0110 0110	
9,05 9,06 9,07 9,08 9,09	0132 0132 0131 0131 0131	.0129 .0129 .0129 .0128 .0128	0125 0125 0125 0124 0124	0119 0119 0119 0118 0118	Q109 Q109 Q109 Q109 Q109	
910 911 912 913 914	Q131 Q130 Q130 Q130 Q130	0128 0127 0127 0127	0124 0124 0123 0123 0123	0118 0118 0117 0117 0117	0108 0108 0108 0108 0108	
915 916 917 918 919	0129 0129 0129 0128 0128	0126 0126 0126 0125 0125	0188 0188 0182 0182 0181	2117 2116 2116 2116 2116	.0107 .0107 .0107 .0106	
920 921 922 923 924	.0128 .0127 .0127 .0127 .0127	.0135 .0135 .0134 .0134	0181 0181 0181 0180 0180	0115 0115 0115 0115 0118	0106 0106 0106 0105 0105	
925 926 927 928 929	0126 0126 0126 0125 0125	0124 0123 0123 0123 0123	.0180 .0180 .0119 .0119 .0119	0114 0114 0114 0114 0113	0105 0105 0104 0104 0104	
930 931 932 933 934	.0125 .0125 .0124 .0124 .0124	0122 0122 0123 0121 0121	0119 0118 0118 0118 0118	0113 0113 0113 0112 0112	.0104 .0104 .0103 .0103 .0103	
936 936 937 938 939	0124 0123 0123 0123	0181 0121 0120 0120	0117 0117 0117 0117 0117	0112 0111 0111 0111	0103 0103 0103 0103 0103	
9.40 9.41 9.43 9.44	0122 0182 0122 0121 0121	0120 0119 0119 0119 0119	0116 0116 0116 0115 0115	0111 0111 0110 0110 0110	0102 0103 0101 0101	
9.45 9.46 9.47 9.48 9.49	0121 0121 0120 0120 0120	.0118 .0118 .0118 .0118	0115 0115 0114 0114	0110 0109 0109 0109 0109	0101 0101 0100 0100 0100	
950 951 953 953 954	0120 0119 0119 0119 0119	.0117 .0117 .0117 .0116 .0116	0114 0113 0113 0113 0113	D108 D108 D108 D108 D108	0100 0100 0099 0099	
9.55 9.56 9.57 9.58 9.59	0118 0118 0118 0118 0116	.0116 .0116 .0115 .0115	0113 0112 0112 0113	0107 0107 0107 0107 0107	0099 0099 0098 0098	
9.60 9.61 9.63 9.63 9.64	.0117 .0117 .0117 .0116 .0116	0115 0114 0114 0114 0114	0111 0111 0111 0111 0110	0106 0106 0106 0106 0106	.0098 .0098 .0097 .0097	
9.58 9.66 9.67 9.68 9.69	.0116 .0116 .0115 .0115 .0115	.0114 .0113 .0113 .0113 .0113	0110 0110 0110 0110 0109	2105 2105 2105 2105 2104	0097 .0097 .0096 .0096 .0096	
9.7 0 9.7 1 9.7 2 9.7 3 9.7 4	0115 0114 0114 0114 0114	0112 0118 0112 0112 0111	0109 0109 0109 0108	D104 D104 D104 D104 D103	2096 2096 2096 2095 2095	
925	.0113	.0111	.0108	A103	2095	

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 $W_{o}(x, r)$ 

W <sub>0</sub> (x, r)					
×	3.0	4.0	6.0	8.0	10.0
9,00 9,01 9,02 9,03 9,04	0096 0095 0095 0095 0095	2085 2085 2085 2084 2084	0071 0070 0070 0070 0070	0061 0061 0061 0061 0061	0055 0054 0054 0054 0054
9.05 9.06 9.07 9.08 9.09	0095 0094 0094 0094 0094	0084 0084 0084 0084 0083	£070 £070 £070 £070 £069	£061 £061 £060 £060 £060	Q054 Q054 Q054 Q054 Q054
910 911 912 913 914	9 4 3 3 4 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0083 0083 0083 0083	7069 7069 7069 7069	0 0 6 0 0 0 6 0 0 0 6 0 0 0 6 0	0054 0054 0053 0053 0053
915 916 917 918 919	0093 0093 0098 0098	202 202 202 202 202 202 202 202 202 202	069 068 068 068 068	.0 0 6 0 .0 0 5 9 .0 0 5 9 .0 0 5 9	0053 0053 0053 0053 0053
920 921 922 923 924	0092 0092 0091 0091	0082 0082 0081 0081 0081	2068 2068 2068 2068 2068	0059 0059 0059 0059 0059	0053 0053 0058 0058 0058
925 926 927 928 929	9091 9091 9099 9099	0081 0081 0081 0080 0080	D067 D067 D067 D067 D067	.0 0 5 9 .0 0 5 8 .0 0 5 8 .0 0 5 8	.0052 .0052 .0058 .0058 .0058
930 931 932 933 934	0080 0090 0090 0090	3080 3080 3080 3080 3080	0067 0067 0067 0066 0066	0058 0058 0058 0058 0058	0052 0053 0052 0051 0051
935 936 937 938 939	0089 0089 0089 0089	0079 0079 0079 0079 0079	0000 0000 0000 0000 0000	0057 0057 0057 0057 0057	0051 0051 0051 0051 0051
940 941 942 943 944	0088 0088 0088 0088	#079 #079 #078 #078 #078	#066 #065 #065 #065 #065	0057 0057 0057 0057 0057	0051 0051 0051 0051 0051
9.45 9.46 9.47 9.48 9.49	0088 0087 0087 0087 0087	2078 2078 2078 2078 2078 2077	0065 0065 0065 0065 0065	2056 2056 2056 2056 2056	9050 9050 9050 9050
9.50 9.51 9.52 9.53 9.54	0087 0087 0086 0086 0086	0077 0077 0077 0077 0077	0064 0064 0064 0064 0064	Q 056 Q 056 Q 056 Q 056 Q 056	0050 0050 0050 0050
9.55 9.56 9.57 9.58 9.59	0086 0086 0085 0085	D077 D076 D076 D076 D076	0064 0064 0064 0064 0063	Q 0 5 6 Q 0 5 5 Q 0 5 5 Q 0 5 5 Q 0 5 5	0050 0049 0049 0049 0049
9.60 9.61 9.62 9.63 9.64	0085 0085 0085 0085 0084	D076 D076 D076 D075 D075	0063 0063 0063 0063	955 955 9955 9955 9955 9955	Q049 Q049 Q049 Q049 Q049
9.65 9.66 9.67 9.68 9.69	0084 0084 0084 0084 0084	0075 0075 0075 0075 0075	0062 0063 0063 0063	Q 0 5 5 Q 0 5 4 Q 0 5 4 Q 0 5 4 Q 0 5 4	0049 0049 0049 0048 0048
970 971 978 973 974	2800 2800 2800 2800 2800	0074 0074 0074 0074 0074	0008 0008 0008 0008 0008 0008	0054 0054 0054 0054 0054	0048 0048 0048 0048 0048
9.75	2800	0074	0065	<b>₽054</b>	£048

 $W_o(x,r)$ 

	W <sub>0</sub> (x, r)					
X	Ī	1.1	1.25	1.5	2.0	
9.75 9.76 9.77 9.78 9.79	0113 0113 0113 0113 0113	0111 0111 0111 0110 0110	0108 0108 0108 0107 0107	0103 0103 0103 0103 0108	0095 0095 0095 0094 0094	
9.80 9.81 9.82 9.83 9.84	0112 0112 0112 0112 0112	0110 0110 0110 0109 0109	0107 0107 0106 0106 0106	0102 0102 0102 0101 0101	0094 0094 0094 0094 0093	
9.85 9.86 9.87 9.88 9.89	0111 01111 01111 0110 0110	0109 0109 0108 0108 0108	0106 0106 0105 0105 0105	.0101 .0101 .0100 .0100	0093 0093 0093 0093	
9.90 9.91 9.92 9.93 9.94	0110 0110 0110 0109 0109	0108 0108 0107 0107 0107	.0105 .0105 .0104 .0104 .0104	0100 0100 0100 0100 0099	8600 8600 8600 8600	
9,95 9,96 9,97 9,98 9,99	0109 0109 0108 0108 0108	0107 0107 0106 0106 0106	0104 0103 0103 0103 0103	0 0 9 8 0 0 9 9 0 0 9 9 0 0 9 9 0 0 9 9	.0091 .0091 .0091 .0091 .0091	
1000	.0108	.0106	£103	8600	.0091	

 $W_{a}(x, r)$ 

	W <sub>o</sub> (x, r)					
×	3.0	4.0	6.0	8.0	10.0	
975 976 977 978 979	0083 0083 0082 0082	D074 D074 D074 D073 D073	0062 0062 0061 0061 0061	0054 0054 0053 0053 0053	.0048 .0048 .0048 .0048 .0048	
980 981 982 983 984	.0082 .0082 .0082 .0081	0073 0073 0073 0073 0073	0061 0061 0061 0061 0061	0053 0053 0053 0053 0053	.00 4 8 .00 4 7 .00 4 7 .00 4 7 .00 4 7	
9.85 9.86 9.87 9.88 9.89	0081 0081 0081 0081 0081	0073 0072 0072 0072 0072	0061 0061 0060 0060 0060	0053 0053 0053 0058	0047 0047 0047 0047 0047	
990 991 992 993 994	\$080 \$080 \$080 \$080	0072 0072 0072 0071 0071	0060 0060 0060 0060	0052 0052 0052 0052 0052	0047 0047 0047 0047 0046 0046	
9.95 9.96 9.97 9.98 9.99	0080 0080 0079 0079 0079	0071 0071 0071 0071 0071	0060 0059 0059 0059 0059	0052 0052 0052 0052 0052	2046 2046 2046 2046 2046	
10.00	.0079	Д071	.0059	.0051	0 4 6 0 4 6	
					:	
	;					
L						

W.	{x.	r١
V V 1	١٨.	

TX T	· 1	1,1	W <sub>1</sub> (x, 1)	1.5	2.0
20 21 22 23	50000000 50121890 50237625 50237625 50450994	.50923570 .50992212 .51055496 .51113503 .51166315	51429563 51442649 51451212 51455322 51455053	51031036 50988786 50942878 50893373 50840335	.48613591 .48582422 .48428490 .48331847 .48232546
.05 .06 .07 .08	50548811 50640835 50727153 50807853 50883021	51214012 51256673 51294377 51327200 51355219	51450472 51441651 51428659 51411564 51390432	50783825 50723901 50660625 50594054 50584247	48130637 48026172 47919199 47809768 47697928
10	.50952739	.51378509	51365330	50451261	47583727
11	.51017092	.51397144	51336322	50375152	47467211
12	.51076162	.51411198	51303474	50395976	47348487
13	.51130030	.51420743	51266849	50213788	47327422
14	.51178777	.51425850	51286510	50128642	47104240
15	.51222480	.51426590	51182519	50040593	46978927
16	.51261219	.51423033	51134937	49949693	46851526
17	.51295071	.51415247	51083826	49855994	46728082
18	.51324111	.51403301	51029244	49759548	46590636
19	.51348415	.51387261	50971251	49760405	46457232
.90	.51368056	51367195	50909905	49558617	46381912
.21	.51383109	51343166	50845863	49454833	46184716
.22	.51383645	51315240	50777384	49347308	46045685
.23	.51399735	51283481	50706321	49837872	45904861
.24	.51401451	51847951	50632133	49185991	45762881
25	.51398862	51208714	.50554872	A9011706	45617986
26	.51392037	51165830	.50474593	A8895064	45472015
27	.51381043	51119360	.50391350	A8776112	45324404
28	.51365948	51069364	.50305195	A8654893	45175193
29	.51346817	51015908	.50216180	A8531454	45024417
30	.51383717	.50959031	50124358	48405838	A4878115
31	.51296711	.50898810	50029778	48278089	A4718321
32	.51265864	.50835296	49932491	48148251	A4563071
33	.51231239	.50768545	49832546	48016366	A4406402
34	.51192897	.50698613	49729994	47882476	A4248347
35	.51150901	50625555	49624881	A7746623	44088940
36	.51105311	50549425	49517256	A7608847	43928216
37	.51056186	50470277	49407166	A7469190	43766209
38	.51003587	50388163	49294658	A7327691	43602950
39	.50947571	50303138	49179777	A7184390	43438472
40 41 42 43 44	.50888197 .508825521 .50759601 .50690490	50215251 50124554 50031099 49934933 49836108	49062570 48943081 48821354 48697433 48571363	A7039325 A6892536 A6744060 A6593935 A6442198	43272808 43105989 42938046 42769010 42598912
45	.50542921	49734671	.48443184	46288886	42427781
46	.50464570	49630671	.48312941	46134034	42255647
47	.50383246	49524156	.48180674	45977679	42082540
48	.50299001	49415171	.48046424	45819855	41908487
49	.50211887	49303764	.47910233	45660598	41733518
50 552 554	50121955 50029255 49933838 49835752 49735047	49189980 49073864 48955462 48834818 48711974	47772141 47632186 47490410 47346849 47301543	A5499941 A5337920 A5174566 A5009913 A4843995	A1557661 A1380942 A1203390 A1025032 A0845893
55	49631770	.48586974	47084529	A4676842	40666000
56	49525970	.48459862	46905845	A4508487	40485379
57	49417698	.48330677.	46755528	A4338951	40304055
58	49306984	.48199464	46603614	A4168296	40128054
59	49193892	.48066261	46450138	A3996521	39939400
.60	49078459	47931111	46895137	A3823668	39756118
.61	48960732	47794052	46138645	A3649765	39572232
.62	48840755	47655125	45980698	A3474842	39387766
.63	48718570	47614368	45821389	A3298929	39202743
.64	48594222	47371821	45660572	A3122053	39017186
65	48467753	47227521	.45498460	A2944244	38831118
66	48339205	47081506	.45335087	A2765529	38644561
67	48208619	46933813	.45170305	A2585936	38457539
68	48076036	46784479	.45004327	A2405492	38270072
69	47941498	46633540	.44837183	A282423	38082182
70	47805044	46481033	.44668725	A2042157	37893891
71	47666714	46326992	.44499164	A1859320	37705280
72	47526547	46171452	.44328472	A1675736	37516189
73	47384582	46014448	.44156677	A1491433	37326818
74	47240856	45856015	.43983809	A1306434	37137128
.75	.47095407	45696185	43809899	41120765	36947138

W<sub>1</sub> (x, r)

X	3.0	4.0	6.0	8.0	10.0
00 01 02 03	43301270 43185985 43068694 42949439 42828263	39062500 38946183 38828214 38708632 38587473	33170173 33062407 32953352 32843040 32731501	29278640 29179985 29080239 28979427 28877576	26484075 26393039 26391038 26208096 26114236
25	42705207	38464772	32618765	28774711	26019482
26	42580313	38340566	32504861	28670859	25923856
27	42580320	38214890	32389818	28556044	25827381
28	42325170	38087778	32273664	28460291	25730080
29	42195000	37959265	32156429	28353626	25631975
10 11 12 13	A2063151 A1929660 A1794565 A1657904 A1519712	37829385 37698171 37565655 37431871 37296849	32038138 31918821 31798504 31677213 31554975	28246071 28137651 28028390 27918309 27807433	25533086 25433436 253333045 25231935 25130125
15	#1380027	37160621	31431815	27695783	25027635
16	#1238883	37023219	31307759	27583382	24924486
17	#1096317	36884673	31182832	27470251	24820697
18	#0952362	36745012	31057058	27356412	24716288
19	#0807054	36604267	30930463	27241886	24611276
20	40660425	36462467	30803069	27126693	24505682
21	40512509	36319641	30674901	27010856	24399522
22	40363339	36175817	30545982	26894393	24292817
23	40312948	36031023	30416335	26777324	24185582
24	40061366	35885286	30285983	26659670	24077837
3567 3444 344 344 344 344 344 344 344 344 3	39908626 39754759 39599795 39443765 39286698	35738635 35591096 35442696 35293459 35143413	30154947 30033251 29890914 29757960 29624409	26541449 26422681 26303385 26183579 26063282	23969598 23860883 23751708 23642090 23532045
30 332 333 334	39128623 389695767 388099567 38648642 38486824	34992583 34840994 34688669 34535635 34381914	29490282 29355598 29220380 29084645 28948414	25942510 25821283 25699618 25577532 25455041	23421589 23310740 23199511 23087918 22975978
35 36 37 38 39	38324138 38160613 37996275 37831150 37665264	34227530 34072506 33916866 33760633 33603827	28811707 28674541 28536936 28398911 28260483	25332163 25208914 25208911 25208511 24961369 24837104	2263703 22751111 22638214 22525038 22411566
40	37498642	33446472	28121671	24712531	22297842
41	37331310	33288589	27982491	24587667	22183870
42	37163293	33130199	27842963	24462525	22069664
43	36994615	32971323	27703101	24337122	21955237
44	36825299	32811983	27562925	24311471	21840601
A5	36655371	32652198	27422449	24085586	21725770
A6	36484852	3249198	27281691	23959483	21610757
A7	36313767	32331375	27140667	23833175	21495574
A8	36142138	32170376	26999393	238706676	21380232
A9	35969988	32009012	26857883	23580000	21264746
.50	35797338	31847301	26716155	23453159	21149125
.51	35624210	31685263	26574222	23326167	21033383
.52	35450627	31522914	26432101	23199037	20917531
.53	35276609	31360275	26289805	25071781	20801579
.54	35102176	31197362	26147349	22944413	20685540
55	34927350	31034193	26004748	22816944	20569424
56	34752152	30870785	25862015	22689387	20453243
57	34576500	30707158	25719165	22561754	205377007
58	34400714	30543325	25576211	22434057	20220726
59	34224515	30379304	25433167	22306306	20104411
.50	34048021	30215118	25290045	22178515	19988078
.61	33871251	30050764	25146859	22050693	19871719
.62	33874223	29886277	25003622	21922852	19755363
.63	33516957	29721667	24860347	21795003	19639012
.54	33339469	29556947	24717045	21667156	19522677
.65	33161778	29392135	24573730	21539323	19406367
.66	32983901	29227244	24430412	21411514	19290091
.67	32865856	29062290	24287105	21283738	19173858
.68	32627659	28897286	24143819	21156006	19057678
.69	32449328	28732247	2400566	21028328	18941559
70 71 72 73 74	32270878 32092328 31913688 31734980 31556217	28567188 28402121 28237061 28072021 27907014	23857358 23714206 23571120 23428111 23285191	20900714 20773172 20645714 20518347 20391081	18825509 18709538 18593654 18593654 18477865 18368179
.75	31377415	27742054	23142369	20263926	18246605

 $W_l(x,r)$ 

T T			1.25	1,5	2,0
.75	47095407	.45696185	43809899	A1120765	36947138
76	46948274	.45534993	43634975	40934450	36756869
77	46799492	.45372471	43459065	40747514	36566339
78	46649098	.45208651	43282199	40559980	36375568
79	46497127	.45043566	43104404	40371871	36184573
.80	46343616	.44877247	48925707	40183212	35993374
.81	46188599	.44709725	42746136	39994024	35801988
.82	46032111	.44541032	42565718	39804330	35610435
.83	45874185	.44371198	42384480	39614154	35418730
.84	45714857	.44200253	42302446	39423515	35226892
.85	.45554158	.44028227	.42019644	39232437	35034938
.86	.45392123	.43855149	.41836099	39040941	34848885
.87	.45228783	.43681048	.41651836	38849048	34650746
.88	.45064171	.43505953	.41466880	38656778	34458546
.89	.44898318	.43329892	.41281255	38464152	34866294
90 91 92 93	A4731256 A4563015 A4593627 A4223121 A4051527	.43152894 .42974984 .42796192 .42616543 .42436064	41094986 40908097 40720611 40532551 40343941	38271191 38077913 37884340 37690490 37496383	34074007 33881702 33689394 33497098 33304830
95 96 97 98 99	43878874 43705192 43530509 43354854 43178255	42254782 42072722 41889909 41706370 41522128	40154803 39965159 39775033 39584444 39393#15	37302037 37107472 36912704 36717753 36522636	33112603 38980432 38788333 38788333 38336318 38344401
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1.04	42882045	.40591235	38432402	35545173	31386771
1.05	.42100346	.40403285	38239168	35349422	31195737
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1.07	.41734699	.40025796	37051827	34957793	30814219
1.08	.41550801	.39836302	37657757	34761946	30623781
1.09	.41366219	.39646337	37463448	34566098	30433568
110	A1180978	39455923	37268916	34370265	30843593
111	A0995101	39265081	37074180	34174461	30053867
112	A0808613	39073832	36879258	33978700	29864401
113	A0621356	38882197	36684168	33782999	29675207
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1.15	.40245709	38497849	36293553	33391827	29297675
1.16	.40057004	38305176	36098063	33196386	29109360
1.17	.39867801	38112197	35908472	33001059	28921357
1.18	.39678122	37918930	35706799	32805860	28733679
1.19	.39487988	37725395	35511058	32610802	28546335
120	39297421	37531612	35315266;	32415898	28359334
121	391064	373376	351194	322212	281727
122	389151	371434	349236 = -	320266	279864
123	387233	369489	347277	318322	278005
124	385312	367543	345319	316381	276150
125	383388	365596	343361	314441	274298
126	381461	363647	341403	312504	272451
127	37953U	361697	339446	310569	270607
128	377597	359745	337489	308637	268768
129	375662	357793	335534	306708	266933
130	373724	355840	333579	304781	265103
131	371784	353886	331626	302887	263277
132	369842	351932	329673	300936	261455
133	367698	349978	327722	299017	259638
134	365952	348024	325773	297103	257825
1.35	364005	346069	323825	295191	256017
1.36	362057	344115	321879	293283	254214
1.37	360108	342161	319935	291376	252416
1.38	358157	340208	317992	289477	250623
1.39	356206	338255	316052	287579	248835
1.40	354254	336303	314114	285685	247052
1.41	352302	334352	312179	283796	245274
1.42	350349	332402	310246	281909	243501
1.43	348396	330453	308316	280028	241733
1.44	346443	328505	306388	278150	239971
1.45	344491	326559	304463	276276	238214
1.46	342538	324614	302541	274407	236463
1.47	340586	322671	300622	272542	234717
1.48	338635	320730	298706	270681	2342977
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150	334734	.316854	.294884	266974	229514
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77	31019751	27413321	22857060	20009979	18015821
78	30840920	27247574	22714594	19883206	17900627
79	30662108	27082923	22572267	19756577	17785575
.80	30483329	26918380	22430087	19630101	17670672
.81	30304598	26753957	22288065	19503786	17555926
.82	30125928	26589664	22146210	19377639	17441343
.83	29947332	26425515	23004530	19251669	17326931
.84	29768825	26261519	21863035	19125884	17212697
.95	29590418	26097689	21721734	19000290	17098646
.96	29412125	25934034	21580634	18874896	16984787
.87	29233959	25770565	21439748	18749708	16871125
.88	29055931	25607293	214399080	18624734	16757667
.89	28878055	25444229	21158638	18499981	16644419
90	28700342	25281381	21018433	18375456	16531387
91	28522804	25118762	20878471	18251165	16418577
92	28345452	24956379	20738760	18127116	16305995
93	28168299	24794242	20599308	18003315	16193648
94	27991355	24632362	20460122	17879768	16081540
95	27814632	24470748	20321211	17756481	15969677
96	27658141	24309408	20182580	17633462	15858066
97	27461891	24148352	20044238	17510715	15746710
98	27285894	23987588	19906190	17388247	15635616
99	27110161	23827125	19768445	17266064	15524789
100	26934701	23666971	19631009	17144171	15414234
101	26759524	23507136	19493888	17022575	15303956
102	26584640	23347626	19357089	16901280	15193959
103	26410059	23188451	19220618	16780292	15084249
104	26235790	23029618	19084481	16659617	14974831
1.05	26061843	22871134	18948685	16539259	14865708
1.06	25888227	22713008	18813236	16419225	14756886
1.07	25714950	22555247	18678139	16299517	14648369
1.08	25542023	22397859	18543400	16180143	14540161
1.09	25369453	22240849	18409025	16061106	14438266
110	25197248	23084326	18275020	15942411	14324690
111	25025418	21927997	18141389	15824063	14317435
112	24853971	31772168	18008138	15706066	14110505
113	24682914	21616745	17875273	15588425	14003906
114	24512255	21461736	17742798	15471143	13897639
1.15	24342003	21307147	17610719	15354227	13791711
1.16	24172164	21152984	17479040	15237676	13686123
1.17	24002748	20999253	17347766	15121502	13580879
1.18	23833759	20845960	173416901	15005702	13475983
1.19	23665207	20693111	17086451	14890283	13371439
120	23497097	20540712	16956420	14775248	13267250
121	233294	203888	168268	146606	131634
122	231622	202373	166976	145463	130599
123	229955	200863	165689	144325	129568
124	228292	199357	164406	143190	128541
125	226634	197857	163127	142060	127517
126	224981	196361	161853	140933	126497
127	223333	194870	160583	139811	125481
128	221690	193384	159318	138692	124469
129	220051	191903	158057	137578	123460
130	218418	190427	156801	136468	122455
131	216790	188955	155549	135362	121455
132	2155167	187490	154302	134260	120458
133	213549	186029	153060	133163	119464
134	211937	184573	151822	132070	118475
135	210350	183123	150590	130981	117490
136	208728	181678	149362	129897	116509
137	207132	180238	148138	128817	115532
138	205541	178803	146920	127741	114559
139	203956	177374	145707	186670	113589
140	202376	175951	144498	125603	112624
141	200802	174532	143294	124541	111663
148	199234	173120	143095	123483	110706
143	197671	171713	140902	122429	109754
144	196114	170311	139713	121380	108805
1.45	194563	168915	138529	120335	107861
1.46	193017	167524	137350	119296	106920
1.47	193478	166140	136177	118261	105984
1.48	189944	164761	135008	117230	105052
1.49	188417	163387	133845	116204	104125
1.50	186895	162020	132686	115183	103201

w, (	X	,	r	)
		i.	2	į
2	9	4	8	1

			W <sub>1</sub> (x,r)		
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1.51	.3328	3149	2930	2651	2278
1.52	.3308	3130	2911	2633	2261
1.53	.3289	3111	2892	2614	2244
1.54	.3269	3091	2873	2596	2837
1,55	3250	3072	2654	2578	2310
1,56	3231	3053	2635	2560	2193
1,57	3211	3034	2816	2541	2176
1,58	3192	3014	2797	2523	2159
1,59	3172	2995	2779	2505	2143
1.60	3153	2976	2760	2487	2125
1.61	3134	2957	2741	2469	2109
1.62	3114	2938	2723	2451	2092
1.63	3095	2919	2704	2434	2076
1.64	3076	2900	2686	2416	2059
1.65	.3057	2861	2667	.2398	2043
1.66	.3058	2862	2649	.2380	2027
1.67	.3018	2843	2630 : = -	.2363	2010
1.68	.2999	2825	2612	.2345	1994
1.69	.2980	2806	2594	.2328	1978
1.70	2961	2787	2575	2310	1962
1.71	2962	2768	2557	2293	1946
1.72	29823	2750	2559	2275	1930
1.73	29824	2731	2521	2258	1914
1.74	28885	2713	2503	2241	1898
1.75	2866	2694	2485	2234	1883
1.76	2847	2676	2467	2307	1867
1.77	2829	2657	2449	2190	1851
1.78	2810	2639	2431	2173	1836
1.79	2791	2630	2414	2156	1820
1.80	2772	2602	2396	2139	1805
1.81	2754	2584	2378	2122	1790
1.82	2755	2565	2361	2106	1774
1.83	2717	2548	2343	2089	1759
1.84	2698	2529	2326	2072	1744
1.85	2680	2511	2308	2056	1729
1.86	2661	2493	2391	2039	1714
1.87	2643	2476	2373	2023	1699
1.88	2644	2458	2256	2007	1684
1.89	2606	2440	2239	1990	1670
1,90 1,91 1,92 1,93 1,94	\$ 5 8 8 8 7 0 8 8 5 5 5 7 8 8 5 5 5 5 4 8 5 5 5 1 6	2422 2404 2369 2352	2223 2205 2188 2171 2154	1974 1958 1942 1926 1910	1655 1640 1626 1611 1597
195 196 197 198 199	2498 24862 24464 2444 2446	2334 2317 22282 22265	2137 2121 2104 2087 2071	1894 1878 1863 1847 1832	15564 1554 15530 1553
2,00	2408	2248	2054	1816	1512
2,01	2591	2231	2038	1801	1498
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2,03	2356	2196	2005	1770	1470
2,04	2358	2180	1989	1755	1457
205 206 207 208 209	2 3 2 1 2 3 2 6 2 3 2 6 2 3 6 2 3 6 2 3 6 3 6	2163 2146 2129 2112 2096	1973 1957 1941 1925 1909	1740 1725 1710 1695 1680	1443 1489 1416 1408 1389
210	2235	2079	1893	1665	1376
211	2217	2063	1877	1650	1363
213	2200	2046	1862	1636	1349
213	2184	2030	1846	1621	1336
214	2167	2014	1831	1606	1333
215 216 217 218 219	2150 2133 2116 2100 2083	1997 1981 1965 1949 1933	1815 1800 1784 1769 1754	1592 1570 1563 1549 1535	1395 1285 1285 1287 1285 128
220	2067	1917	1739	1581	1847
221	2050	1902	1724	1507	1234
222	2034	1886	1709	1493	1232
223	2018	1870	1694	1479	1210
224	2001	1854	1679	1465	1197
2.25	1985	1839	1664	.1 4 5 2	1185

 $W_{I}(x,r)$ 

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1.55 1.56 1.57 1.58 1.59	1794 1779 1764 1749 1735	1555 1539 1523 1510	1270 1258 1257 1236 1225	1101 1092 1092 1072 1062	0986 0977 0969 0960 0951
1.60	1720	1487	1214	1058	0942
1.61	1706	1474	1203	1043	0933
1.62	1691	1461	1192	1033	0925
1.63	1677	1448	1181	1023	0916
1.64	1662	1435	1170	1014	0907
1.65 1.66 1.67 1.68 1.69	1648 1634 1620 1606 1592	1422 1409 1384 1372	1159 1149 1138 1127 1117	1004 0995 0985 0986 0967	.0899 .0890 .0882 .0873 .0865
1.70	1578	1359	1106	0957	0856
1.71	1564	1347	1096	0948	0848
1.72	15550	1334	1085	0939	0840
1.73	1536	1322	1075	0930	0832
1.74	1532	1310	1065	0930	0833
1.75	1509	1298	1054	.0918	2815
1.76	1495	1285	1044	.0903	2807
1.77	1488	1273	1034	.0894	2799
1.78	1468	1261	1024	.0885	2791
1.79	1455	1249	1014	.0876	2783
1.80	1442	1238	1004	0867	0775
1.81	1488	1226	0994	0859	0767
1.82	1415	1214	0984	0850	0759
1.83	1402	1202	0974	0841	0752
1.84	1389	1191	0964	0833	0744
1.85 1.86 1.87 1.88 1.89	1376 13558 13358 13355	1179 1168 1156 1145 1134	0955 0945 0935 0936 0916	0824 0816 0807 0799 0791	0736 0728 0721 0713 0706
190	1312	1122	0907	0782	1698
191	1300	1111	.0898	0774	1691
192	1287	1100	.0888	0766	1683
193	1275	1089	.0879	0758	1676
194	1262	1078	.0870	0750	1669
195	1250	1067	.0861	2748	0662
196	1238	1056	.0851	2734	0654
197	1226	1045	.0842	2726	0647
198	1221	1035	.0833	2718	0640
199	1201	1024	.0824	2710	0633
200	1189	1013	0816	.0702	0686
201	1178	1003	0807	.0694	0619
202	1166	.0992	0798	.0687	0618
203	1154	.0982	0789	.0679	0605
204	1142	.0971	0780	.0671	0598
205	1131	0961	0772	0664	0591
206	1119	0951	0763	0656	0585
207	1108	0941	0755	0649	0578
208	1096	0950	0746	0641	0571
209	1085	0920	0738	0634	0564
210	1074	0910	0729	0627	Q558
211	1062	0900	0721	0619	Q551
212	1051	0891	0713	0612	Q545
213	1040	0881	0705	0605	Q538
214	1029	0871	0697	0598	Q538
2.15	1018	.0861	.0688	Q591	Q525
2.16	1007	.0852	.0680	Q583	Q519
2.17	10996	.0842	.0672	Q576	Q513
2.18	1986	.0833	.0664	Q570	Q506
2.19	1986	.0823	.0657	Q563	Q500
220 221 222 223 224	9964 9954 9933 9933	0814 0804 0795 0786 0777	0649 0641 0633 0626 0618	Q556 Q549 Q542 Q535 Q529	0494 0488 0482 0476 0470
2,25	£912	£768	£610	0533	£464

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226	1985	1823	1650	1438	1173
237	1953	1808	1635	1424	1161
228	1937	1793	1620	1411	1149
229	1931	1777	1606	1397	1137
250	1905	1762	1591	1384	1125
251	1890	1747	1577	1371	1113
252	1874	1732	1563	1358	1102
253	1858	1717	1549	1344	1090
254	1843	1702	1535	1331	1079
235	1827	1687	1521	1318	1067
236	1812	1672	1507	1305	1056
237	1797	1658	1493	1293	1044
238	1781	1643	1479	1280	1033
239	1766	1629	1465	1267	1022
2.40	1751	1614	1451	1255	1011
2.41	1736	1600	1438	1242	1000
2.42	1721	1585	1484	1229	0989
2.43	1706	1571	1411	1217	0978
2.44	1691	1557	1397	1205	0967
245	1676	1543	1384	1192	0956
246	1652	1529	1371	1180	0945
247	1647	1515	1358	1168	0935
248	1632	1501	1344	1156	0934
249	1618	1487	1331	1144	0913
250	1603	1473	1318	1132	0903
251	1589	1459	1306	1120	0893
253	1575	1446	1283	1109	0882
253	1560	1438	1280	1097	0878
254	1546	1419	1267	1085	0862
255	1532	1405	1255	1074	.0852
256	1518	1398	1242	1062	.0842
257	1504	1379	1230	1051	.0832
258	1490	1365	1217	1040	.0822
259	1477	1358	1205	1088	.0812
2.60 2.61 2.62 2.63 2.63	1463 1449 1436 1428 1409	1339 1326 1313 1301 1888	1193 1181 1169 1157 1145	1017 1006 0995 0984 0973	0802 0793 0783 0773
2.65	1395	1275	1133	0962	0754
2.66	1382	1262	1121	0951	0745
2.67	1369	1250	1109	0941	0736
2.68	1356	1237	1098	0930	0737
2.69	1343	1225	-	0919	0717
2.70	1330	1213	1074	2909	0708
2.71	1317	1200	1063	2899	0699
2.72	1304	1188	1052	2888	0690
2.73	1309	1176	1040	2878	.0681
2.74	1278	1164	1039	2868	.0673
2.75 2.76 2.77 2.78 2.79	1366 1353 1241 1388 1216	1152 1140 1128 1117 1105	1018 1007 0996 0985	.0858 .0847 .0837 .0827 .0818	2664 2655 2646 2638 2629
2.80 2.81 2.83 2.83 2.84	1204 1192 1179 1167 1155	1093 1082 1070 1059 1047	0963 0952 0942 0931	0808 0798 0788 0779	.0621 .0612 .0604 .0596 .0588
2.85	1143	1036	.0910	2760	0579
2.86	1132	1025	.0900	2750	0571
2.87	1120	1014	.0889	2741	0563
2.88	1108	1003	.0879	2732	0555
2.89	1096	0992	.0869	2733	0547
290 291 292 293 293	1085 1073 1062 1051 1039	0981 0970 0959 0949 0938	0859 0849 0839 0839	.0713 .0704 .0695 .0686 .0677	0540 0532 0534 0516 0509
295 296 297 298 299	1028 1017 1006 0995 0984	0927 0917 0906 0896 0886	.0809 .0799 .0790 .0780	Ω669 .0660 .0651 .0643 .0634	0501 0494 0486 0479 0472
3.00	.0973	.0876	.0761	£626	.0464

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227	0892	0750	0595	0509	0452
228	0882	0741	0588	0502	0446
329	.0872	0732	0580	0496	0440
230	0862	0723	.0573		0435
231	0852	0714	.0566		0429
232	0842	0706	.0559		0423
233	0832	0697	.0552		0417
234	0822	0689	.0544		0412
235 236 237 238 239	0813 0803 0794 0784 0775	0680 0672 0663 0655 0647	0537 0530 0523 0516 0510	.0458 .0458 .0446 .0446 .0434	0406 0401 0395 0390
2.40	2765	0638	.0503	0428	Q379
2.41	2756	0630	.0496	0422	Q374
2.42	2747	0632	.0489	0416	Q368
2.43	2738	0614	.0483	0410	Q363
2.43	2738	0606	.0476	0405	Q358
2.45	2720	0598	D469	.0399	0353
2.46	2711	0590	D463	.0393	0348
2.47	2702	0583	D456	.0387	0343
2.48	2693	0575	D450	.0382	0338
2.49	2684	0567	D444	.0376	0333
251 251 253 253 254	0675 0667 0658 0650 0641	0559 0552 0544 0537 0529	D437 D431 D425 D419 D412	0371 0365 0360 0354 0349	Q328 Q3218 Q313 Q318
5567 8557 8888 8888	0633 0685 0616 0608 0600	0522 0515 0508 0500 0493	0406 0400 0394 0388 0382	.0344 .0338 .0333 .0328 .0323	0303 0299 0294 0289 0285
260	9592	£486	0377	0318	Q285
261	9584	£479	0371	0313	Q275
262	9576	£472	0365	0308	Q271
263	9568	£465	0359	0303	Q266
264	9560	£458	0354	0303	Q262
265	0552	0452	0348	.0293	.0258
266	0545	0445	0342	.0288	.0253
267	0537	0438	0337	.0283	.0249
268	0539	0431	0331	.0278	.0245
269	0522	0425	0326	.0274	.0240
2.70 2.71 2.72 2.73 2.74	.0514 .0507 .0499 .0492 .0485	0418 0412 0405 0399 0393	0320 0315 0310 0304 0299	0269 0264 0260 0255 0250	0236 0232 0224 0224
275	0477	0386	.0294	D246	0215
276	0470	0380	.0289	D241	0211
277	0463	0374	.0284	D237	0207
278	0456	0368	.0279	D233	0203
279	0449	0362	.0274	D228	0200
2.80	0442	0356	0269	.0224	0196
2.81	0435	0350	0264	.0220	0192
2.82	0429	0344	0259	.0215	0188
2.83	0422	0338	0254	.0211	0184
2.84	0415	0332	0249	.0207	0180
2.85	0408	0326	.0245	.0203	0177
2.86	0408	0320	.0240	.0199	0173
2.87	0395	0315	.0235	.0195	0169
2.88	0399	0309	.0230	.0191	0166
2.89	0388	0303	.0286	.0187	0162
290	0376	D298	0221	0183	0159
291	0370	D292	0217	0179	0155
292	0363	D287	0212	0175	0152
293	0363	D281	0208	0171	0148
294	0357	D276	0203	0167	0145
295	.0345	0271	0199	0163	0141
296	.0339	0266	0195	0160	0138
297	.0333	0260	0191	0156	0135
298	.0327	0255	0186	0152	0131
299	.0321	0255	0182	0149	0188
3.00	.0315	.0245	£178	£145	.0125

W1 (x, r)

X		1.1	1.25	1.5	2.0
3.00 3.01 3.02 3.03 3.04	0973 0962 0952 0941 0930	.0876 .0865 .0855 .0845	.0761 .0758 .0742 .0733 .0724	.0626 .0617 .0609 .0600 .0598	.0464 .0457 .0450 .0443 .0436
3.05 3.06 3.07 3.08 3.09	.0920 .0909 .0899 .0889 .0879	D826 D816 D806 D796 D787	0715 0706 0697 0688 0679	D 5 8 4 D 5 7 6 D 5 6 8 D 5 6 0 D 5 5 2	0429 0432 0415 0408 0408
310 311 312 313 314	.0858 .0858 .0848 .0838 .0838	.0777 .0768 .0758 .0749	.0670 .0661 .0653 .0644	D544 D536 D528 D521 D513	0395 0388 0382 0375 0369
315 316 317 318 319	.0819 .0809 .0789 .0789	.0730 .0721 .0712 .0703 .0694	0627 0619 0610 0602 0594	D506 D498 D491 D483 D476	0363 0356 0350 0344 0337
3.20 3.21 3.22 3.23 3.24	0770 0761 0763 0742 0743	.0685 .0676 .0668 .0659	Q586 Q578 Q569 Q562 Q554	D469 D461 D454 D447 D440	0331 0325 0319 0313 0307
3.25 3.26 3.27 3.28 3.29	.0724 .0715 .0706 .0697 .0688	0642 0633 0685 0616 0608	0546 0538 0533 0523 0515	0433 0426 0419 0412 0406	0301 0296 0290 0284 0279
330 331 332 333 334	0679 0670 0662 0653 0644	.0600 .0592 .0593 .0575	.0507 .0500 .0492 .0485 .0478	0399 0392 0386 0379 0373	.0273 .0267 .0262 .0256 .0251
335 336 337 338 339	.0636 .0627 .0619 .0611 .0602	.0559 .0552 .0544 .0536	.0470 .0463 .0456 .0459 .0449	.0366 .0360 .0354 .0347 .0341	.0246 .0240 .0235 .0230 .0225
3.40 3.41 3.42 3.43 3.44	.0594 .0586 .0578 .0570 .0562	0521 0513 0505 0498 0491	0435 .0488 .0481 .0414 .0408	.0335 .0329 .0323 .0317 .0311	.0220 .0215 .0210 .0205 .0200
3.45 3.46 3.47 3.48 3.49	.0554 .0546 .0538 .0531 .0583	£483 £476 £469 £468 £454	.0401 .0394 .0388 .0381 .0375	0305 0299 0293 0288 0288	0195 0190 0185 0180 0176
3.50 3.51 3.52 3.53 3.54	0515 0508 0500 0493 0486	.0447 .0440 .0433 .0487 .0480	0368 0368 0356 0349 0343	D276 D271 D265 D260 D254	0171 0166 0162 0157 0153
3.55 3.56 3.57 3.58 3.59	.0478 .0471 .0464 .0457 .0450	.0413 .0406 .0400 .0393 .0386	0337 0331 0335 0319	D 2 4 9 D 2 4 4 D 2 3 8 D 2 3 3 D 2 3 8	.0149 .0144 .0140 .0136 .0131
3.60 3.61 3.62 3.63 3.64	.0 4 4 3 .0 4 3 6 .0 4 2 9 .0 4 2 2 .0 4 1 5	.0380 .0373 .0367 .0361 .0355	.0307 .0301 .0296 .0290 .0284	0223 0218 0213 0208 0203	0127 0123 0119 0115 0111
3.65 3.66 3.67 3.68 3.69	.0408 .0402 .0395 .0389 .0382	.0348 .0342 .0336 .0330 .0324	0279 0273 - 0268 0262 0257	0198 0193 0188 0184 0179	0107 0103 0099 0095 0091
370 371 372 373 374	.0376 .0369 .0363 .0357 .0350	.0318 .0312 .0306 .0300	.0251 .0246 .0241 .0235	0174 0170 0165 0161 0156	.0087 .0084 .0080 .0076 .0073
3.75	.0 3 4 4	.0289	.0225	.0152	.0069

×	3.0	4.0	6.0	8.0	10.0
3.00	.0315	.0245	£178	£145	.0125
3.01	.0309 .0303	.0240 .0235	.0174 .0170	0141 0138	0122
3.03	0297	.0225	0166	0134	0115
3.04	0292		0162	0131	0112
3.0.5	ំ ១និន្ទ	<b>ចំនុ</b> ន០	.0158	.0127	.01.09
3.06	281	.0215	0154	0124	0106
3.07	2875	.0211	0150	0121	0103
3.08	.0270	.0206	£146	0117	0100
3.09	.0264	.0201	£142	0114	0097
310	.0259	£197	.0138	0111	4 و و م
311	D254	0192	0135	0107	.0091
312	D248	0187	0131	0104	.0088
313	.0243	0183	0187	0101	.0085
314	.0238	0178	0184	0098	.0083
315	.0233	.0174	D120	5 وه م	0800
317	0222	0170	0116	089	.0077
	0238	0165	0113	0093	.0074
318	.0218	.0161	0109	2085	.0072
	.0213	.0157	0106	2082	.0069
3.20	စ် ၁ ၁ ၁ ၁	.0153	0108	စ္စစ္ ၀	೨೦೦೯
3,21	.0203	.0148	0099	.0077	.0064
3,22	.0198	.0144	0096	.0074	.0061
3.23	.0193	.0140	.0092	.0071	.0058
3.24	.0189	.0136	.0092	.0068	.0056
3,25	.0184	0132	0086	ည့် ၀ ရ ဒ	.0053
3.26	0179	0128	.0083	0000	.0051
3.27	0175	0124	.0079	0003	.0048
328	D170	0120	.0076	£057	0046
329	D166	0116	.0073	£054	0044
3.30	.0161	D113	0070	0051	.0041
3.31	.0157	0109	2067	0049	.0036
3.32	.0152	0105	2064	0046	.0036
3.3.3	0148	.0101	.0061	.0044	.0034
3.3.4	0144	.0098	.0058	.0041	.0032
3.35	.0140	2094	2055	2038	2030
336	0135	0090	.0052	.0036	0027
	0131	0087	.0049	.0033	0025
338 339	0127 0123	0800 0800	.0046 .0044	0029	00 S J
3.40	0119	.0076	.0041	D086	.0019
3,41	0115	0073	0038	0024	.0017
3,42	0111	0070	0035		.0014
3.43	0107	0063	0033	.0019	0012
3.44	0103	0063	0030	.0017	0010
3,45	.0099	Д060	.0027	.0015	8000
	.0096	Д057	.0025	.0012	0006
3.46 3.47	2000	.0053	2820	0010	2004
3.48 3.49	0088 0085	0050 0047	.0017	000e	0000 0008
3.50	.0081	1044	.0015	.0004	0001
3.51	.0077	1041	.0012	.0002	0003
3.5.2	0074	.0038	0010	- 0001	- 0005
3.5.3	0070	.0035	0007		- 0007
3.54	2067	2032	2005	0005	0000
3.55	.0063	9200	.0003	- 0007	0011
3.56	.0060		.0000	- 0009	0012
3.57	0057	0800	0002	- 0011	- 0014
	0053	2800	0004	- 0013	- 0016
3.59	2050	2018	- 2006	0015	- 0018
3.60	.0047	.0015	- 0009	- 0016	- 0019
3.61	.0043	.0012	- 0011	- 0018	
3.62	.0040	2010	- 0013	- 0080	- 0023
	.0037	2007	- 0015	- 0080	- 0024
3.64	2034	.0004	- 0017	0024	- 0026
3.65	0031	.0002	- 0019	- 0026	- 7058
3.66	0028	0001	- 0021	- 0027	- 7058
3.67	.002 <b>5</b>	- 2003	0023	- 0029	- 0031
3.68		- 2006	0025	- 0031	- 0032
3.69	.0019	0008	0027	0032	0034
3.70	0016	0011	0029	- 0034	- 0035
3.71	0013	0013	0031	- 0036	- 0037
3.72	.0010	- 0016	- 0033	- 0037	0038
3.73	.0008	- 0018	- 0035	- 0039	0039
3.74	0005	- 0020	- 0037	0041	~ .0041
3.75	.0002	- 0023	- 2039	- 0042	0042

X	<del></del>	1.1	1.25	1.5	2.0
3.75	.0344	.0289	.0225	£0152	0069
3.76 3.77 3.78 3.79	.0338 .0338 .0386 .0380	.0283 .0278 .0272 .0267	0220 0215 0210	0147 0143 0139 0134	0065 0062 0059 0055
3.80	0314	0261	0200	0130	0058
3.81	0308	0256	0195	0126	0048
3.83	0302	0250	0191	0122	0045
3.83	0397	0245	0186	0118	.0042
3.84	0291	0245	0181	0114	.0038
3.85 3.86 3.87 3.88 3.89	0285 0280 0274 0269 0263	0235 0230 0224 0219 0214	.0177 .0172 .0167 .0163 .0158	0110 0106 0108 0098	0035 0033 0039 0026 0025
3.90 3.91 3.92 3.93 3.94	Q258 Q252 Q247 Q242 Q237	.0209 .0205 .0200 .0195 .0190	0154 0150 0145 0141 0137	Q 0 9 0 Q 0 8 6 Q 0 8 3 Q 0 7 5	.0020 .0017 .0014 .0011 .0008
3,95	0331	.0185	0132	0072	0005
3,96	0236	.0181	0128	0068	0002
3,97	0231	.0176	0124	0065	0000
3,98	0216	.0171	0120	0061	- 0003
3,99	0811	.0167	0116	0058	- 0006
4.00 4.01 4.02 4.03 4.04	.0206 .0201 .0197 .0192 .0187	0168 0158 0154 0149 0145	.0112 .0108 .0104 .0100	0054 0051 0048 0044 0041	0009 0011 0014 0016 0019
4.05	.0188	D141	0093	0038	- 0022
4.06	.0178	D136	0089	0035	- 0024
4.07	.0173	D132	0085	0032	- 0026
4.08	.0169	D128	0081	0039	- 0029
4.09	.0164	D124	0078	0025	- 0031
410	0160	0120	.0074	0028	- 0034
411	0155	0116	.0071	0019	- 0036
412	0151	0112	.0067	0016	- 0038
413	0146	0108	.0064	0014	- 0041
414	0142	0104	.0060	0011	- 0043
415	0138	0100	.0057	0008	- 0045
416	0134	0096	.0053	0005	- 0047
417	0129	0092	.0050	0002	- 0049
418	0125	0089	.0047	- 0001	- 0051
419	0121	0085	.0044	- 0003	- 0054
420	.0117	.0081	.0040	- 0006	- 0056
421	.0113	.0078	.0037	- 0009	- 0058
422	.0109	.0074	.0034	- 0011	- 0060
423	.0105	.0071	.0031	- 0014	- 0062
424	.0108	.0067	.0088	- 0016	- 0064
425	0098	.0064	0025	- 0019	- 0066
426	0094	.0060	0023	- 0021	- 0067
427	0090	.0057	0019	- 0024	- 0069
428	0086	.0054	0016	- 0026	- 0071
429	0083	.0050	0013	- 0029	- 0073
430	0079	.0047	0010	- 0031	- 0075
431	0076	.0044	0007	- 0034	- 0077
432	0072	.0040	0008	- 0036	- 0078
433	0068	.0037	0002	- 0038	- 0080
434	0065	.0034	- 0001	- 0040	- 0082
4.35	.0062	.0031	- 0004	- 0043	- 0083
436	.0058	.0028	- 0006	- 0045	- 0085
437	.0055	.0025	- 0009	- 0047	- 0087
438	.0051	.0022	- 0012	- 0049	- 0088
439	.0048	.0019	- 0014	- 0051	- 0090
4.40 4.41 4.42 4.43 4.44	0045 0042 0039 0035 0032	.0016 .0013 .0010 .0008	- 0017 - 0019 - 0022 - 0024 - 0026	- 0053 - 0055 - 0057 - 0059 - 0061	- 0091 - 0093 - 0094 - 0096 - 0097
4,45 4,46 4,47 4,48 4,49	0029 0026 0023 0020	.0008 0001 0003 0006 0009	- 0029 - 0031 - 0034 - 0036 - 0038	- 0063 - 0065 - 0067 - 0069 - 0071	- 0099 - 0100 - 0101 - 0103 - 0104
4.50	.0 0 1 4	- 0011	- 0040	0073	- 0105

 $W_{l}(x,r)$ 

X	3.0	4.0	6.0	8.0	0.01
3.75 3.76 3.77 3.78 3.79	.0002 0001 0003 0006 0009	- 0023 - 0025 - 0027 - 0029 - 0032	0039 0040 0042 0044 0046	- £042 - £044 - £045 - £047 - £048	- 0042 - 0044 - 0045 - 0046 - 0048
3.80 3.81 3.82 3.83 3.84	- 0011 - 0014 - 0016 - 0019 - 0021	- 0034 - 0036 - 0038 - 0040 - 0042	0047 0049 0051 0052 0054	- 0050 - 0051 - 0053 - 0054 - 0058	0049 0050 0051 0053 0054
3.85 3.86 3.87 3.88 3.89	- 0024 - 0026 - 0031 - 0033	- 0044 - 0046 - 0048 - 0050 - 0052	- 0056 - 0057 - 0059 - 0060 - 0062	- 0057 - 0058 - 0059 - 0061 - 0068	- 0055 - 0056 - 0058 - 0059 - 0060
390 391 202 393 394	- 0035 - 0037 - 0040 - 0042 - 0044	- 0054 - 0056 - 0058 - 0059 - 0061	- 0063 - 0065 - 0066 - 0068 - 0069	- 2063 - 2064 - 2066 - 2067 - 2068	- 0061 - 0062 - 0063 - 0064 - 0065
395 396 397 398 399	- 2046 - 2048 - 2050 - 2052 - 2054	- 0063 - 0065 - 0066 - 0068 - 0070	0070 0072 0073 0074 0076	- 0069 - 0070 - 0072 - 0073 - 0074	- 2066 - 2067 - 2068 - 2069 - 2070
4.00 4.01 4.02 4.03 4.04	- 0056 - 0058 - 0060 - 0062 - 0064	- 0071 - 0073 - 0075 - 0076 - 0078	- 0077 - 0078 - 0080 - 0081 - 0082	- 0075 - 0076 - 0077 - 0078 - 0079	- 0071 - 0073 - 0073 - 0074 - 0075
4.05 4.06 4.07 4.08 4.09	- 0066 - 0068 - 0070 - 0071 - 0073	- 0079 - 0081 - 0082 - 0084 - 0085	0083 0084 0085 0087 0088	- 0080 - 0081 - 0082 - 0083 - 0084	- 0076 - 0077 - 0078 - 0078 - 0079
410 411 412 413 414	- 0075 - 0076 - 0078 - 0080 - 0081	- 0086 - 0088 - 0089 - 0091 - 0092	- 0089 - 0090 - 0091 - 0092 - 0093	- 0085 - 0086 - 0087 - 0087 - 0088	- 0080 - 0081 - 0082 - 0083
415 416 417 418 419	- 0083 - 0085 - 0086 - 0088	- 0093 - 0094 - 0096 - 0097 - 0098	0094 0095 0096 0097 0098	- 0092 - 0092 - 0092	0084 0085 0085 0085 0087
401 401 400 400 400 400 400	- 0091 - 0092 - 0094 - 0095 - 0096	- 0099 - 0101 - 0102 - 0103 - 0104	- 0099 - 0100 - 0100 - 0101 - 0102	- 0093 - 0094 - 0095 - 0096	- 0087 - 0088 - 0089 - 0089 - 0090
425 426 427 428 429	- 0098 - 0099 - 0100 - 0102 - 0103	- 0105 - 0106 - 0107 - 0108 - 0109	- 0103 - 0104 - 0105 - 0105 - 0106	- 4097 - 2097 - 2098 - 2099 - 2099	- 0091 - 0091 - 0092 - 0093
430 431 432 433 434	- 0104 - 0105 - 0107 - 0108 - 0109	- 0110 - 0111 - 0112 - 0113 - 0114	- 0107 - 0108 - 0108 - 0109 - 0110	- 0100 - 0101 - 0102 - 0102	- 0093 - 0094 - 0094 - 0095 - 0095
435 436 437 438 439	- 0110 - 0111 - 0112 - 0114 - 0115	- 0115 - 0116 - 0117 - 0118 - 0118	- 0110 - 0111 - 0112 - 0112 - 0113	- 0103 - 0103 - 0104 - 0105 - 0105	- 2096 - 2096 - 2097 - 2097 - 2098
4.40 4.41 4.42 4.43 4.44	- 0116 - 0117 - 0118 - 0119 - 0120	- 0119 - 0120 - 0121 - 0122 - 0138	- 0114 - 0114 - 0115 - 0115 - 0116	- 0106 - 0106 - 0107 - 0107 - 0107	- 0098 - 0099 - 0099 - 0099 - 0100
4.45 4.46 4.47 4.48 4.49	- 0122 - 0122 - 0122 - 0123	- 0123 - 0124 - 0125 - 0125 - 0126	- 0116 - 0117 - 0118 - 0118 - 0119	- 0108 - 0108 - 0109 - 0109 - 0110	- 0100 - 0101 - 0101 - 0101 - 0102
4.50	- D125	0127	- 0119	0110	- 0102

 $W_i(x,r)$ 

T		<del></del>	W;\X,!)		1
	0014	0011	1.25	1.5	2.0
4.50 4.51 4.52 4.53 4.54	0012 0009 0006 0003	- 0014 - 0016 - 0019 - 0021	0048 0045 0047 0049	- 0074 - 0076 - 0078 - 0079	- 0107 - 0108 - 0109 - 0111
4.55 4.56 4.57 4.58 4.59	.0000 0002 0005 0010	0024 0026 0031 0033	- 0051 - 0053 - 0055 - 0057 - 0059	- 0081 - 0083 - 0084 - 0086 - 0088	- 0112 - 0113 - 0114 - 0115 - 0116
4.60 4.61 4.62 4.63 4.64	- 0013 - 0015 - 0018 - 0020 - 0023	- 0035 - 0038 - 0040 - 0042 - 0044	0061 0063 0065 0067 0068	- 0089 - 0091 - 0092 - 0094 - 0095	- 0117 - 0118 - 0120 - 0121 - 0122
4.65 4.66 4.67 4.68 4.69	- 0025 - 0027 - 0030 - 0032 - 0034	0046 0048 0050 0053 0055	0070 0072 0074 0076 0077	- 0097 - 0098 - 0099 - 0101 - 0102	~ .0123 ~ .0124 ~ .0124 ~ .0125 ~ .0126
4.70 4.71 4.72 4.73 4.74	0037 0039 0041 0043 0045	- 0057 - 0058 - 0060 - 0062 - 0064	- 0079 - 0081 - 0088 - 0084 - 0085	- 0103 - 0105 - 0106 - 0107 - 0108	0127 0128 0129 0130 0131
4.75 4.76 4.77 4.78 4.79	- 0047 - 0050 - 0052 - 0054 - 0056	- 0066 - 0068 - 0070 - 0071 - 0073	- 0087 - 0088 - 0090 - 0091 - 0093	- 0110 - 0111 - 0112 - 0113 - 0114	0131 0132 0133 0134 0135
4.80 4.81 4.83 4.83 4.84	- 0058 - 0060 - 0061 - 0063 - 0065	0075 0077 0078 0080 0082	- 0094 - 0096 - 0097 - 0098 - 0100	- 0115 - 0116 - 0117 - 0118 - 0130	0135 0136 0137 0137 0138
4.85 4.86 4.87 4.88 4.89	- 0067 - 0069 - 0071 - 0072 - 0074	0083 0085 0086 0089	- 0101 - 0103 - 0104 - 0105 - 0106	- 0121 - 0121 - 0122 - 0123 - 0124	- 0139 - 0139 - 0140 - 0140 - 0141
490 491 498 493 494	0076 0077 0079 0081 0082	- 0091 - 0092 - 0094 - 0095 - 0096	- 0107 - 0109 - 0110 - 0111	~ 0125 ~ 0126 ~ 0127 ~ 0128 ~ 0129	0142 0142 0143 0144
4.95 4.96 4.97 4.98 4.99	0084 0085 0087 0089	0098 0099 0100 0102 0103	0113 0114 0115 0116 0117	- 0129 - 0130 - 0131 - 0132 - 0133	- 0144 - 0145 - 0145 - 0146 - 0146
5,00 5,02 5,03 5,04	- 0091 - 0093 - 0094 - 0096 - 0097	- 0104 - 0105 - 0107 - 0108 - 0109	- 0118 - 0119 - 0120 - 0131 - 0132	- 0133 - 0134 - 0135 - 0135 - 0136	- 0146 - 0147 - 0147 - 0148 - 0148
5.05 5.06 5.07 5.08 5.09	- 0098 - 0100 - 0101 - 0102 - 0104	- 0110 - 0111 - 0112 - 0113 - 0115	- 0123 - 0124 - 0125 - 0126 - 0127	- 0137 - 0137 - 0138 - 0139 - 0139	0148 0149 0149 0149
510 511 512 513 514	- 0105 - 0106 - 0107 - 0108 - 0110	0116 0117 0118 0119 0120	- 0127 - 0128 - 0129 - 0130 - 0131	- 0140 - 0140 - 0141 - 0141 - 0142	- 0150 - 0150 - 0150 - 0151 - 0151
5.15 516 517 518 519	- 0111 0113 0113 0114 0115	- 0131 - 0131 - 0122 - 0123 - 0124	- 0131 - 0132 - 0133 - 0133 - 0134	- 0142 - 0143 - 0143 - 0144 - 0144	- 0151 - 0151 - 0152 - 0158
520 521 522 523 524	- 0116 - 0117 - 0118 - 0119 - 0130	- 0125 - 0126 - 0127 - 0127 - 0128	- 0135 - 0135 - 0136 - 0137 - 0137	- 0144 - 0145 - 0145 - 0146 - 0146	- 0158 - 0158 - 0158 - 0158 - 0158
5.25	- 0131	0129	0138	0146	0153

 $W_{I}(x,r)$ 

X	3.0	4.0	6.0	8.0	0.01
4.50	0125	- 0127	- D119	- 0110	0103
4.51	- 0126	- 0127	- 0119	- 0110	- 0102
4.52	- 0127	- 0128	- 0120	- 0111	- 0103
4.53	- 0128	- 0129	- 0120	- 0111	- 0103
4.54	- 0128	- 0129	- 0121	- 0111	- 0103
455 456 457 458 459	0129 0130 0131 0131 0132	- 0130 - 0130 - 0131 - 0131 - 0132	- 0123 - 0122 - 0122 - 0123	- 0112 - 0112 - 0112 - 0113 - 0113	0103 0104 0104 0105
4.60	- 0133	- 0132	- 0123	- 0113	- 0105
4.61	- 0133	- 0133	- 0123	- 0113	- 0105
4.63	- 0134	- 0133	- 0124	- 0114	- 0105
4.63	- 0135	- 0134	- 0124	- 0114	- 0105
4.64	- 0135	- 0134	- 0124	- 0114	- 0106
4.55 4.66 4.67 4.68 4.69	- 0136 - 0137 - 0137 - 0138 - 0138	- 0135 - 0135 - 0136 - 0136 - 0136	- 0125 - 0125 - 0126 - 0126	- 0114 - 0115 - 0115 - 0115 - 0115	- 0106 - 0106 - 0106 - 0106 - 0107
4.70 4.71 4.72 4.73 4.74	- 0139 - 0139 - 0140 - 0140 - 0141	0137 0137 0138 0138 0138	- 0126 - 0126 - 0127 - 0127	- 0115 - 0116 - 0116 - 0116 - 0116	- 0107 - 0107 - 0107 - 0107 - 0107
4.75	- 0141	- 0139	- 0127	- 0116	- 0107
4.76	- 0142	- 0139	- 0127	- 0116	- 0107
4.77	- 0142	- 0139	- 0127	- 0117	- 0108
4.78	- 0143	- 0139	- 0128	- 0117	- 0108
4.79	- 0143	- 0140	- 0128	- 0117	- 0108
4.80 4.81 4.82 4.83 4.84	0143 0144 0144 0145 0145	- 0140 - 0140 - 0140 - 0141 - 0141	- 0128 - 0128 - 0128 - 0128 - 0128	- 0117 - 0117 - 0117 - 0117 - 0117	0108 0108 0108 0108
4.85	- 0145	- 0141	- 0129	- 0117	- 0108
4.86	- 0146	- 0141	- 0129	- 0117	- 0108
4.87	- 0146	- 0142	- 0129	- 0117	- 0108
4.88	- 0146	- 0142	- 0129	- 0117	- 0108
4.89	- 0146	- 0142	- 0129	- 0117	- 0108
490	- 0147	0142	- 0129	- 0117	- 0108
491	- 0147	0142	- 0129	- 0117	- 0108
492	- 0147	0142	- 0129	- 0117	- 0108
493	- 0147	0142	- 0129	- 0117	- 0108
494	- 0148	0143	- 0129	- 0117	- 0108
495 496 497 498 499	- 0148 - 0148 - 0148 - 0148 - 0149	- 0143 - 0143 - 0143 - 0143 - 0143	- 0129 - 0129 - 0129 - 0129 - 0129	- 0117 - 0117 - 0117 - 0117 - 0117	- 0108 - 0108 - 0108 - 0108
5.00	- 0149	- 0143	- 0129	- D117	- 0108
5.01	- 0149	- 0143	- 0129	- D117	- 0108
5.02	- 0149	- 0143	- 0129	- D117	- 0108
5.03	- 0149	- 0143	- 0129	- D117	- 0108
5.04	- 0149	- 0143	- 0129	- D117	- 0108
5.05	- 0149	- 0143	- 0129	- D117	- 0108
5.06	- 0149	- 0143	- 0129	- D117	- 0108
5.07	- 0150	- 0143	- 0129	- D117	- 0107
5.08	- 0150	- 0143	- 0129	- D117	- 0107
5.09	- 0150	- 0143	- 0129	- D117	- 0107
510	- 0150	- 0143	- 0129	- 0117	- 0107
511	- 0150	- 0143	- 0128	- 0117	- 0107
512	- 0150	- 0143	- 0128	- 0116	- 0107
513	- 0150	- 0143	- 0128	- 0116	- 0107
514	- 0150	- 0143	- 0128	- 0116	- 0107
515 516 517 518 519	- 0150 - 0150 - 0150 - 0150 - 0150	0143 0143 0143 0143	- 0128 - 0128 - 0128 - 0128 - 0128	- £116 - £116 - £116 - £116 - £115	- 0107 - 0106 - 0106 - 0106 - 0106
520	- 0150	- 0142	- 0127	- 0115	- 0106
521	- 0150	- 0142	- 0127	- 0115	- 0106
522	- 0150	- 0142	- 0127	- 0115	- 0106
523	- 0150	- 0142	- 0127	- 0115	- 0105
524	- 0150	- 0142	- 0127	- 0115	- 0105
5.25	- £149	- D142	- D137	- £115	- 0105

 $W_{j}(x,r)$ 

\$287
53.1         - 0.126         - 0.133         - 0.141         - 0.148         - 0.153           53.2         - 0.128         - 0.134         - 0.142         - 0.149         - 0.153           53.3         - 0.128         - 0.134         - 0.142         - 0.149         - 0.153           53.4         - 0.129         - 0.136         - 0.143         - 0.149         - 0.153           53.5         - 0.130         - 0.136         - 0.143         - 0.149         - 0.153           53.6         - 0.130         - 0.137         - 0.143         - 0.149         - 0.153           53.7         - 0.131         - 0.137         - 0.143         - 0.149         - 0.153           53.8         - 0.131         - 0.137         - 0.144         - 0.150         - 0.153           53.8         - 0.131         - 0.137         - 0.144         - 0.150         - 0.153           54.1         - 0.133         - 0.138         - 0.144         - 0.150         - 0.153           54.2         - 0.134         - 0.139         - 0.144         - 0.150         - 0.153           54.2         - 0.134         - 0.144         - 0.151         - 0.153           54.2         - 0.135         - 0.140 </th
\$336
5.41       - 0133       - 0139       - 0145       - 0150       - 0153         5.43       - 0135       - 0140       - 0145       - 0151       - 0153         5.43       - 0135       - 0140       - 0145       - 0151       - 0153         5.45       - 0136       - 0141       - 0146       - 0151       - 0153         5.46       - 0136       - 0141       - 0146       - 0151       - 0153         5.47       - 0137       - 0142       - 0147       - 0151       - 0153         5.48       - 0137       - 0142       - 0147       - 0151       - 0152         5.49       - 0138       - 0143       - 0147       - 0151       - 0152         5.50       - 0139       - 0143       - 0147       - 0151       - 0152         5.51       - 0139       - 0143       - 0148       - 0151       - 0152         5.52       - 0140       - 0144       - 0148       - 0151       - 0152         5.53       - 0140       - 0144       - 0148       - 0151       - 0152         5.55       - 0141       - 0145       - 0148       - 0151       - 0152         5.55       - 0141       - 0145       - 0148
5.46        0136        0141        0146        0151        0153           5.47        0137        0142        0147        0151        0153           5.48        0137        0142        0147        0151        0152           5.50        0139        0143        0147        0151        0152           5.51        0139        0143        0148        0151        0152           5.52        0140        0144        0148        0151        0152           5.53        0140        0144        0148        0151        0152           5.54        0140        0144        0148        0151        0152           5.55        0140        0144        0148        0151        0152           5.55        0141        0145        0148        0151        0152           5.55        0141        0145        0148        0151        0151           5.57        0142        0145        0149        0151        0151           5.58        0142 </th
5.51    01350    0145    0148    0151    0152       5.52    0140    0144    0148    0151    0152       5.53    0140    0144    0148    0151    0152       5.54    0140    0144    0148    0151    0152       5.55    0141    0145    0148    0151    0151       5.56    0141    0145    0149    0151    0151       5.57    0142    0145    0149    0151    0151       5.58    0142    0145    0149    0151    0151       5.59    0143    0146    0149    0151    0151       5.60    0143    0146    0149    0151    0151       5.61    0143    0146    0149    0151    0150       5.62    0144    0146    0149    0151    0150       5.63    0144    0147    0149    0151    0150       5.64    0144    0147    0149    0151    0150       5.65    0145    0147    0150    0151    0150       5.66    0145
5.56
5.61
5.6601450147015001510149 5.6701450147015001510149 5.6801450148015001510149
5.70    0146    0148    0150    0151    0148       5.71    0146    0148    0150    0150    0148       5.72    0146    0148    0150    0150    0148       5.73    0147    0148    0150    0150    0148       5.74    0147    0148    0150    0150    0147
5.75    0147    0148    0150    0150    0147       5.76    0147    0149    0150    0150    0147       5.77    0147    0149    0150    0150    0146       5.78    0147    0149    0150    0149    0146       5.79    0148    0149    0150    0149    0146
5.80    0148    0149    0149    0149    0149       5.81    0148    0149    0149    0149    0149       5.82    0148    0149    0149    0149    0149       5.83    0148    0149    0149    0148       5.84    0148    0149    0149    0148
5.85
5.90    0149    0149    0148    0147    0148       5.91    0149    0148    0147    0142       5.92    0149    0148    0146    0146       5.93    0149    0148    0146    0141       5.94    0149    0148    0146    0141       5.94    0149    0148    0146    0141
, i li l
5.95    0149    0148    0148    0146    0140       5.96    0149    0148    0147    0145    0140       5.97    0149    0148    0147    0145    0140       5.98    0148    0147    0145    0139       5.99    0148    0147    0144    0139

 $W_1(x,r)$ 

X	3.0	4.0	6.0	8.0	10.0
525 526 527 528 529	- 0149 - 0149 - 0149 - 0149 - 0149	- 0142 - 0142 - 0141 - 0141 - 0141	- 0127 - 0126 - 0126 - 0126 - 0126	- 0115 - 0114 - 0114 - 0114 - 0114	0105 0105 0105 0105 0104
530 531 532 533 534	- 0149 - 0149 - 0149 - 0149 - 0148	0141 0141 0141 0140 0140	- 0126 - 0125 - 0125 - 0125 - 0125	- 0114 - 0113 - 0113 - 0113 - 0113	0104 0104 0104 0104 0103
535 536 537 538 539	- 0148 - 0148 - 0148 - 0148 - 0148	- 0140 - 0140 - 0140 - 0139 - 0139	- 0125 - 0124 - 0124 - 0124 - 0124	- Q113 - Q112 - Q112 - Q112 - Q112	- 0103 - 0103 - 0103 - 0103 - 0102
5.40 5.41 5.42 5.43 5.44	0147 0147 0147 0147 0147	- 0139 - 0139 - 0138 - 0138 - 0138	- 0123 - 0123 - 0123 - 0123 - 0122	- 0111 - 0111 - 0111 - 0111 - 0110	- 0102 - 0102 - 0103 - 0101
5.45 5.46 5.47 5.48 5.49	- 0146 - 0146 - 0146 - 0146 - 0145	- 0138 - 0137 - 0137 - 0137 - 0137	- 0122 - 0122 - 0128 - 0121 - 0131	- 0110 - 0110 - 0110 - 0109 - 0109	- 0101 - 0101 - 0100 - 0100 - 0100
5.50 5.51 5.52 5.53 5.54	- 0145 - 0145 - 0145 - 0144 - 0144	- 0136 - 0136 - 0136 - 0135 - 0135	- 0121 - 0120 - 0120 - 0120 - 0120	- 0109 - 0109 - 0108 - 0108 - 0108	- 0100 - 0100 - 0099 - 0099 - 0099
5.55 5.56 5.57 5.58 5.59	- 0144 - 0144 - 0143 - 0143 - 0143	- 0135 - 0135 - 0134 - 0134 - 0134	- 0119 - 0119 - 0119 - 0118 - 0118	0108 0107 0107 0107 0106	- 0098 - 0098 - 0098 - 0098 - 0097
5.60 5.61 5.62 5.63 5.64	- 0142 - 0142 - 0142 - 0142 - 0141	- 0133 - 0133 - 0133 - 0138 - 0138	- 0118 - 0117 - 0117 - 0117 - 0116	- 0106 - 0106 - 0105 - 0105 - 0105	- 0097 - 0097 - 0097 - 0096 - 0096
5.65 5.66 5.67 5.68 5.69	- 0141 - 0141 - 0140 - 0140	- 0132 - 0131 - 0131 - 0131 - 0130	- 0116 - 0116 - 0115 - 0115 - 0115	- 0105 - 0104 - 0104 - 0104 - 0103	- 0096 - 0095 - 0095 - 0095 - 0095
5.70 5.71 5.72 5.73 5.74	- 0139 - 0139 - 0139 - 0138	- 0130 - 0129 - 0129 - 0129 - 0188	- 0114 - 0114 - 0114 - 0113 - 0113	- 0103 - 0103 - 0102 - 0102 - 0102	- 0094 - 0094 - 0094 - 0093 - 0093
5.75 5.76 5.77 5.78 5.79	0137 0137 0137 0136 0136	- 0128 - 0128 - 0127 - 0127 - 0127	- 0113 - 0112 - 0112 - 0111	- 0101 - 0101 - 0101 - 0100 - 0100	
5.80 5.81 5.82 5.83 5.84	- 0136 - 0135 - 0135 - 0134 - 0134	- 0126 - 0126 - 0125 - 0125 - 0125	- 0111 - 0111 - 0110 - 0110 - 0109	- 4100 - 4099 - 4099 - 4099	- 0091 - 0091 - 0091 - 0090 - 0090
5.85 5.86 5.87 5.88 5.89	- 0134 - 0133 - 0133 - 0132 - 0132	- 0124 - 0124 - 0123 - 0123 - 0123	- 0109 - 0109 - 0108 - 0108 - 0108	- 0098 - 0098 - 0097 - 0097 - 0097	- 0900 - 8800 - 8800 - 8800 - 8800 - 8800
5.90 5.91 5.92 5.93 5.94	- 0132 - 0131 - 0131 - 0130 - 0130	- 0122 - 0121 - 0121 - 0120	- 0107 - 0107 - 0106 - 0106 - 0106	- 2096 - 2096 - 2095 - 2095 - 2095	- 0088 - 0088 - 0087 - 0087 - 0086
5.95 5.96 5.97 5.98 5.99	- 0130 - 0129 - 0129 - 0128 - 0128	- 0120 - 0120 - 0119 - 0119 - 0118	- 0105 - 0105 - 0104 - 0104 - 0104	- 0095 - 0094 - 0094 - 0093 - 0093	- 0086 - 0086 - 0085 - 0085
0.03	- 0127	- 0118	0103	- 0093	0085

 $W_{l}(x,r)$ 

X	1	1.1	1.25	1.5	2.0
6.00 6.01 6.08 6.03	0148 0148 0148 0148	0148 0148 0147 0147	- 0147 - 0146 - 0146 - 0146	0144 0144 0143 0143	0138 0138 0138 0137
6.05 6.05 6.07 6.08	0148 0148 0148 0148	0147 0147 0147 0147 0146	0145 0145 0145 0145 0144	- 0142 - 0142 - 0142 - 0141 - 0141	- 0136 - 0136 - 0136 - 0135 - 0135
6.09 6.10 6.13 6.13 6.14	0148 0147 0147 0147 0147 0147	0146 0146 0146 0145	0144 0144 0144 0143	0141 0140 0140 0140 0139	0134 0134 0134 0133
615 616 617 618 619	- 0147 - 0147 - 0146 - 0146 - 0146	0145 0145 0145 0144 0144	- 0143 - 0143 - 0142 - 0141	- 0139 - 0139 - 0138 - 0138 - 0137	- 0138 - 0138 - 0131 - 0131 - 0130
620 621 622 623 624	- 0146 - 0146 - 0145 - 0145 - 0145	0144 0144 0143 0143 0143	0141 0141 0140 0140 0140	0137 0137 0136 0136 0136	0130 0130 0129 0128
5 5 6 6 6 6 7 8 8 9 6 8 9	0145 0144 0144 0144 0144	0142 0142 0142 0143 0141	0139 0139 0139 0138 0138	- 0135 - 0135 - 0134 - 0134 - 0133	0128 0127 0127 0126
630 631 632 633 634	- 0143 - 0143 - 0143 - 0143 - 0142	0141 0141 0140 0140 0140	0138 0137 0137 0137 0136	- 0133 - 0133 - 0138 - 0138 - 0131	0185 0185 0185 0184 0184
635 636 637 638 639	- 0142 - 0142 - 0141 - 0141 - 0141	- 0139 - 0139 - 0139 - 0138 - 0138	0136 0135 0135 0135 0134	0131 0130 0130 0130 0139	- 0123 - 0122 - 01222 - 01221
6.40 6.41 6.42 6.43 6.44	- 0141 - 0140 - 0140 - 0139	- 0138 - 0137 - 0137 - 0137 - 0136	- 0134 - 0133 - 0133 - 0133 - 0132	- 0129 - 0128 - 0128 - 0127 - 0127	- 0121 - 0120 - 0119 - 0119
645 646 647 648 649	0139 0139 0138 0138 0138	- 0136 - 0135 - 0135 - 0135 - 0134	0132 0131 0131 0131 0130	- 0126 - 0126 - 0125 - 0125	- 0118 - 0118 - 0117 - 0117 - 0116
650 651 652 653 654	- 0137 - 0137 - 0136 - 0136 - 0136	0134 0135 0133 0133	- 0130 - 0139 - 0129 - 0128 - 0128	- 0134 - 0134 - 0123 - 0123 - 0128	- 0116 - 0115 - 0115 - 0114 - 0114
655 656 657 658 659	- 0135 - 0135 - 0135 - 0134 - 0134	0132 0131 0131 0131 0130	- £128 - £127 - £127 - £126 - £126	- 0188 - 0181 - 0181 - 0180 - 0180	- 0113 - 0113 - 0118 - 0118 - 0111
6.60 6.61 6.63 6.63 6.64	- 0133 - 0133 - 0133 - 0132 - 0132	0130 0129 0129 0129 0128	- 0125 - 0125 - 0124 - 0124 - 0134	- 0119 - 0119 - 0119 - 0118 - 0118	- 0111 - 0110 - 0110 - 0109 - 0109
6.65 6.66 6.67 6.68 6.69	- 0131 - 0131 - 0131 - 0130 - 0130	- 0128 - 0137 - 0127 - 0126 - 0136	- 0123 - 0123 - 0122 - 0122 - 0121	- 0117 - 0117 - 0116 - 0116 - 0115	- 0108 - 0108 - 0107 - 0107 - 0106
6.7 0 6.7 1 6.7 2 6.7 3 6.7 4	- 0129 - 0129 - 0128 - 0128	0126 0125 0125 0124 0124	0121 0120 0120 0119 0119	- 0115 - 0114 - 0114 - 0113 - 0113	0106 0105 0104 0104
6.75	- 0127	- 0123	- D118	0112	- £103

 $W_{l}(x,r)$ 

X	3.0	4.0	6.0	8.0	10.0
6.00 6.01 6.02	- 0127 - 0127 - 0137	- 0118 - 0117 - 0117	- 0103 - 0103 - 0102	- 0093 - 0092 - 0092	0085 0084 0084
6.03 6.04 6.05	- 0126 - 0126 - 0125	- 0117 - 0116 - 0116	0102 0101	0092 0091	0084 0083 0083
6.06 6.07 6.08 6.09	- 0125 - 0124 - 0124 - 0123	- 0115 - 0115 - 0114 - 0114	- 0101 - 0101 - 0100 - 0100	~ 2091 - 2090 - 2090 - 2089	- 0083 - 0082 - 0081
610 611 612 613 614	- 0123 - 0123 - 0122 - 0122 - 0121	- 0114 - 0113 - 0113 - 0112 - 0112	- 0099 - 0099 - 0098 - 0098	- 0889 - 0889 - 0888 - 0888	- 0081 - 0081 - 0081 - 0080 - 0080
615 616 617 618 619	- 0121 - 0120 - 0120 - 0119 - 0119	- 0111 - 0111 - 0110 - 0110 - 0110	- 0097 - 0097 - 0096 - 0096 - 0096	- 0087 - 0087 - 0087 - 0086 - 0086	0080 0079 0079 0079 0078
621 622 623 624	- 0118 - 0118 - 0117 - 0117 - 0116	- 0109 - 0109 - 0108 - 0108 - 0107	- 0095 - 0095 - 0094 - 0094 - 0094	- 0085 - 0085 - 0085 - 0084 - 0084	- 0078 - 0078 - 0077 - 0077 - 0077
625 627 628 629	- 0116 - 0116 - 0115 - 0115 - 0114	- 0107 - 0106 - 0106 - 0105 - 0105	- 0093 - 0093 - 0093 - 0093	- 0084 - 0083 - 0083 - 0082 - 0082	- 0076 - 0076 - 0076 - 0075 - 0075
630 631 632 633 634	- 0114 - 0113 - 0113 - 0112 - 0112	0105 0104 0104 0103 0103	- 0091 - 0090 - 0090 - 0089	- 0082 - 0081 - 0081 - 0081 - 0080	0075 0074 0074 0074 0073
635 636 637 638 639	0111 0111 0110 0110 0109	- 0102 - 0101 - 0101	- 0089 - 0089 - 0088 - 0088 - 0087	- 0080 - 0079 - 0079 - 0079 - 0078	- 0073 - 0073 - 0072 - 0072 - 0072
6.40 6.41 6.42 6.43 6.44	- 0108 - 0108 - 0107 - 0107	- 0100 - 0099 - 0099 - 0099 - 0098	- 0087 - 0087 - 0085 - 0085	- 0078 - 0078 - 0077 - 0077 - 0076	- 0071 - 0071 - 0071 - 0070 - 0069
6.45 6.46 6.47 6.48 6.49	- 0106 - 0106 - 0105 - 0105 - 0104	- 0098 - 0097 - 0097 - 0096	- 0085 - 0085 - 0084 - 0084 - 0083	- 0076 - 0076 - 0075 - 0075 - 0075	- 0069 - 0069 - 0069 - 0068 - 0068
650 651 652 653 654	- 0104 - 0103 - 0103 - 0103	- 0095 - 0095 - 0094 - 0094 - 0093	- 0083 - 0082 - 0082 - 0081	0074 0074 0074 0073	- 2068 - 2067 - 2067 - 2066
655 656 657 658 659	- 0102 - 0101 - 0101 - 0100 - 0100	- 0093 - 0093 - 0092 - 0092 - 0091	- 0081 - 0080 - 0080 - 0080 - 0079	- 0072 - 0072 - 0072 - 0071 - 0071	- 2066 - 2066 - 2065 - 2065 - 2065
6.60 6.61 6.62 6.63 6.64	- 0099 - 0099 - 0098 - 0097	- 0091 - 0090 - 0090 - 0089 - 0089	- 0079 - 0078 - 0078 - 0078 - 0077	- 0071 - 0070 - 0070 - 0069 - 0069	- 0064 - 0064 - 0064 - 0063 - 0063
645 646 647 648 649	- 2097 - 2096 - 2095 - 2095	- 2088 - 2088 - 2088 - 2087 - 2087	- 0077 - 0076 - 0076 - 0076 - 0075	- 0069 - 0068 - 0068 - 0068 - 0067	- 0063 - 0062 - 0062 - 0062 - 0063
6.70 6.71 6.72 6.73 6.74	0094 0094 0093 0093	0086 0086 0085 0085 0084	- 0075 - 0074 - 0074 - 0074 - 0073	- 2067 - 2067 - 2066 - 2066	- 0061 - 0061 - 0060 - 0060
6.75	8900 -	0084	- 0073	- 0065	- 0060

6.75	
6.81	
6.86	
6.91 - 0.120 - 0.116 - 0.111 - 0.104 - 0.095	
692 - 0120 - 0115 - 0110 - 0104 - 0095 693 - 0119 - 0115 - 0110 - 0103 - 0094 694 - 0119 - 0114 - 0109 - 0103 - 0094	
6.95	
7.00	
7.05	
710 - 0111 - 0107 - 0101 - 0095 - 0086 711 - 0110 - 0106 - 0101 - 0094 - 0085 713 - 0110 - 0105 - 0100 - 0093 - 0085 714 - 0109 - 0105 - 0099 - 0093 - 0084	
715	
720	
725 - 0104 - 0099 - 0094 - 0088 - 0079 726 - 0103 - 0098 - 0094 - 0087 - 0079 727 - 0103 - 0098 - 0093 - 0087 - 0078 728 - 0102 - 0098 - 0093 - 0086 - 0078 729 - 0102 - 0097 - 0092 - 0086 - 0077	
7.30 - 0.101 - 0.097 - 0.092 - 0.085 - 0.077 7.31 - 0.101 - 0.096 - 0.091 - 0.085 - 0.076 7.32 - 0.100 - 0.096 - 0.091 - 0.084 - 0.076 7.33 - 0.100 - 0.095 - 0.090 - 0.084 - 0.075 7.34 - 0.099 - 0.095 - 0.090 - 0.083 - 0.075	
7.35	
7.40 - 0.096 - 0.092 - 0.087 - 0.080 - 0.072 7.41 - 0.096 - 0.092 - 0.086 - 0.072 7.42 - 0.095 - 0.091 - 0.086 - 0.079 - 0.071 7.43 - 0.095 - 0.091 - 0.085 - 0.079 - 0.071 7.44 - 0.095 - 0.090 - 0.085 - 0.079 - 0.070	
7.45	
8300 - 3700 - 2800 - 7800 - 2000 - 0750	

X	3.0	4.0	6.0	8.0	10.0
6.75 6.76 6.77 6.78 6.79	- 0092 - 0091 - 0091 - 0090 - 0090	- 0084 - 0083 - 0083 - 0083 - 0082	0073 0072 0072 0072 0071	- 0065 - 0065 - 0064 - 0064 - 0064	- 0060 - 0059 - 0059 - 0059 - 0058
680 681 682 683 684	- 0089 - 6800 - 8800 - 8800 - 8800 -	- 0082 - 0081 - 0081 - 0080 - 0080	0071 0070 0070 0070 0069	- 0063 - 0063 - 0063 - 0063	- 0058 - 0058 - 0057 - 0057 - 0057
685 686 687 688 689	- 2087 - 2087 - 2086 - 2086 - 2085	0079 0079 0079 0078 0078	- 0069 - 0069 - 0068 - 0068 - 0067	- 0052 - 0051 - 0051 - 0061	- 0056 - 00555 - 00555 - 0055
690 691 692 693 694	- 0085 - 0084 - 0083 - 0083	- 2077 - 2077 - 2076 - 2076 - 2076	- 0067 - 0067 - 0066 - 0066 - 0065	- 0060 - 0059 - 0059 - 0059	- 0055 - 0054 - 0054 - 0054 - 0053
695 596 697 698 699	- 0088 - 0088 - 0081 - 0081	- 2075 - 2075 - 2074 - 2074 - 2073	- 2065 - 2065 - 2064 - 2064 - 2064	- 0058 - 0058 - 0058 - 0057 - 0057	- 0053 - 0053 - 0053 - 0052 - 0052
7,00 7,01 7,02 7,03 7,04	- 0080 - 0080 - 0079 - 0079 - 0078	- 0073 - 0073 - 0072 - 0072 - 0071	- 0063 - 0063 - 0062 - 0062	- 0057 - 0056 - 0056 - 0056 - 0055	- 0052 - 0051 - 0051 - 0051 - 0050
7.05 7.06 7.07 7.08 7.09	- 2078 - 2077 - 2077 - 2076 - 2076	- 4071 - 2070 - 2070 - 2070 - 2069	- 0061 - 0061 - 0061 - 0060 - 0060	- 0055 - 0055 - 0054 - 0054 - 0084	- 0050 - 0050 - 0050 - 0049 - 0049
710 711 712 713 714	0076 0075 0075 0074 0074	- 2069 - 2068 - 2068 - 2068 - 2067	- 0060 - 0059 - 0059 - 0058 - 0058	- 0053 - 0053 - 0053 - 0058 - 0058	- 0049 - 0048 - 0048 - 0048 - 0047
715 716 717 718 719	- 0073 - 0073 - 0072 - 0072	- 0067 - 0066 - 0065 - 0065	- 0058 - 0057 - 0057 - 0057 - 0056	- 0052 - 0051 - 0051 - 0051 - 0050	- 0047 - 0047 - 0047 - 0046 - 0046
720 721 722 723 724	- 0071 - 0071 - 0070 - 0070 - 0069	- 0065 - 0064 - 0064 - 0063 - 0063	- 0056 - 0056 - 0055 - 0055 - 0055	- 0050 - 0050 - 0049 - 0049 - 0049	- 0046 - 0045 - 0045 - 0045 - 0045
725 726 727 728 729	- 4069 - 4069 - 4068 - 4068 - 4067	- 0061 - 0068 - 0068 - 0069	- 0054 - 0054 - 0054 - 0053 - 0053	- 0049 - 0048 - 0048 - 0048 - 0047	- 0044 - 0044 - 0044 - 0044 - 0043
730 731 732 733 734	- 0067 - 0066 - 0066 - 0066 - 0065	0061 0060 0060 0060 0059	- 0053 - 0052 - 0052 - 0052 - 0051	- 0047 - 0047 - 0046 - 0046 - 0046	0043 0043 0042 0042 0042
735 736 737 738 739	- 0065 - 0064 - 0064 - 0064 - 0063	- 0059 - 0058 - 0058 - 0058 - 0057	0051 0051 0050 0050	- £046 - £045 - £045 - £045 - £044	- 0042 - 0041 - 0041 - 0041 - 0041
7.40 7.41 7.42 7.43 7.44	- 0063 - 0062 - 0062 - 0061	- 0057 - 0057 - 0056 - 0056 - 0055	- 0049 - 0049 - 0049 - 0048 - 0048	- 0044 - 0044 - 0044 - 0043 - 0043	- 0040 - 0040 - 0040 - 0040 - 0039
7.45 7.46 7.47 7.48 7.49	~ 0061 ~ 0060 ~ 0060 ~ 0059	- 0055 - 0055 - 0054 - 0054 - 0054	- 0048 - 0047 - 0047 - 0047 - 0046	- 0043 - 0042 - 0042 - 0042 - 0042	- 0039 - 0039 - 0038 - 0038
7.50	- D059	- DO53	- ,0046	- 0041	- D038

TX T	<del></del>	1.1	1.25	1.5	2.0
7.50 7.51 7.58 7.53 7.54	- 0092 - 0091 - 0091 - 0090 - 0090	- 2087 - 2087 - 2086 - 2086 - 2085	0082 0082 0081 0081 0080	- 0076 - 0075 - 0075 - 0074 - 0074	0068 0067 0067 0066 0066
7.55 7.56 7.57 7.58 7.59	- 0089 - 0089 - 0088 - 0088	0085 0084 0084 0083	0080 0079 0079 0078 0078	- 0073 - 0073 - 0073 - 0072 - 0072	- 0066 - 0065 - 0064 - 0064
7.60 7.61 7.62 7.63 7.64	0087 0086 0085 0085	0082 0082 0082 0081	- 0077 - 0077 - 0076 - 0076 - 0076	- 0071 - 0071 - 0070 - 0070 - 0069	0063 0063 0063 0068
7.65 7.66 7.67 7.68 7.69	0084 0084 0083 0083 0083	- 0080 - 0080 - 0079 - 0079 - 0078	0075 0075 0074 0074 0073	- 0069 - 0069 - 0068 - 0068 - 0067	- 0061 - 0061 - 0061 - 0060 - 0060
7.70 7.71 7.73 7.74	- 0080 - 0081 - 0081	0078 0077 0077 0076	0073 0072 0072 0072 0071	- 0067 - 0066 - 0066 - 0066 - 0065	0059 0059 0059 0058 0058
7.75 7.76 7.77 7.78 7.79	- 0080 - 0079 - 0079 - 0078 - 0078	- 2076 - 2075 - 2075 - 2074 - 2074	- 0071 - 0070 - 0070 - 0069 - 0069	- 2065 - 2064 - 2064 - 2063 - 2063	- 2057 - 2057 - 2057 - 2056 - 2056
7.80 7.81 7.82 7.83 7.84	- 2077 - 2077 - 2077 - 2076 - 2076	- 0073 - 0073 - 0072 - 0072 - 0072	- 0068 - 0068 - 0068 - 0067 - 0067	- 0063 - 0062 - 0062 - 0061 - 0061	0055 0055 0055 0054 0054
7,85 7,86 7,87 7,88 7,89	0075 0075 0074 0074 0073	0071 0071 0070 0070 0069	0066 0065 0065 0065	- 0061 - 0060 - 0060 - 0059 - 0059	0054 0053 0053 0052 0052
790 791 792 793 794	- 0073 - 0078 - 0078 - 0072 - 0071	- 2069 - 2068 - 2068 - 2068 - 2067	- 0064 - 0064 - 0063 - 0063 - 0063	- 0089 - 0058 - 0058 - 0057 - 0057	0058 0051 0051 0051 0050
7,95 7,96 7,97 7,98 7,99	- 2071 - 2070 - 2070 - 2069 - 3069	- 4067 - 0066 - 0066 - 0065 - 0065	- 0062 - 0063 - 0061 - 0061 - 0060	- 0057 - 0056 - 0056 - 0055 - 0055	- 0050 - 0049 - 0049 - 0049 - 0048
8.00 8.01 8.02 8.03 8.04	- 0069 - 0068 - 0067 - 0067	0065 0064 0064 0063	0060 0060 0059 0059 0058	0055 0054 0054 0054 0053	0048 0048 0047 0047 0047
8.05 8.06 8.07 8.08 8.09	0066 0066 0065 0065	- 0063 - 0062 - 0061 - 0061	0058 0058 0057 0057 0057	0053 0052 0052 0052 0051	- 0046 - 0046 - 0046 - 0045 - 0045
810 811 812 813 814	0064 0064 0063 0063 0063	0061 0060 0059 0059	0056 0056 0055 0055 0055	0051 0051 0050 0050 0049	- 0045 - 0044 - 0044 - 0044 - 0043
815 816 817 818 819	- 0062 - 0063 - 0061 - 0061	0059 0058 0058 0057 0057	- 0054 - 0054 - 0053 - 0053 - 0053	0049 0049 0048 0048 0048	- 0043 - 0043 - 0042 - 0042 - 0042
8.20 8.21 8.22 8.23 8.24	0060 0059 0059 0059	- 0057 - 0056 - 0056 - 0055 - 0055	- 0052 - 0052 - 0052 - 0051 - 0051	0047 0047 0047 0046 0046	- 0041 - 0041 - 0041 - 0040 - 0040
8.25	0058	- 0055	0050	0046	0040

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 $W_{l}(x,r)$ 

X	3.0	4.0	6.0	8.0	10.0
750 751 752 753 754	- 2059 - 2058 - 2058 - 2058 - 2057	- 0053 - 0053 - 0053 - 0052	0046 0046 0045 0045 0045	- 0041 - 0041 - 0041 - 0040 - 0040	- 0038 - 0037 - 0037 - 0037 - 0037
7.55 7.56 7.57 7.58 7.59	- 0057 - 0056 - 0056 - 0056 - 0055	- 0052 - 0051 - 00550 - 0050	- 0045 - 0044 - 0044 - 0044 - 0043	- 0040 - 0040 - 0039 - 0039 - 0039	- 0036 - 0360 - 0360 - 0360 - 0360
7.60 7.61 7.62 7.63 7.64	- 0055 - 0055 - 0054 - 0054 - 0053	- 2050 - 2049 - 2049 - 2049 - 2048	- 0043 - 0043 - 0042 - 0042 - 0042	- 0039 - 0038 - 0038 - 0038	- 0035 - 0035 - 0035 - 0035 - 0034
7.65 7.66 7.67 7.68 7.69	- 0053 - 0053 - 0052 - 0052	0048 0048 0047 0047	0042 0041 0041 0041 0040	- 0037 - 0037 - 0037 - 0036 - 0036	0034 0034 0034 0033 0033
7.70 7.71 7.72 7.73 7.74	- 0051 - 0051 - 0051 - 0050 - 0050	- 0046 - 0046 - 0046 - 0045 - 0045	- 0040 - 0040 - 0040 - 0039 - 0039	- 0036 - 0036 - 0035 - 0035 - 0035	- 0033 - 0033 - 0032 - 0032
7.75 7.76 7.77 7.78 7.79	- £049 - £049 - £049 - £048 - £048	- 0045 - 0044 - 0044 - 0044 - 0044	- 0039 - 038 - 0800 - 038 - 8000 - 038	- 0035 - 0034 - 0034 - 0034 - 0034	- 0032 - 0032 - 0031 - 0031
7.80 7.81 7.82 7.83 7.84	0048 0047 0047 0047 0046	0043 0043 0043 0042 0042	- 0037 - 0037 - 0037 - 0037 - 0036	- 0034 - 0033 - 0033 - 0033	- 0031 - 0030 - 0030 - 0030
7.85 7.86 7.87 7.88 7.89	- 0046 - 0046 - 0045 - 0045 - 0045	- 0042 - 0041 - 0041 - 0040	- 0036 - 0036 - 0035 - 0035	- 0031 - 0038 - 0038 - 0038 - 0038	- 000 - 000
7.90 7.91 7.92 7.93 7.94	- 0044 - 0044 - 0043 - 0043	- 2040 - 2040 - 2040 - 2039 - 2039	- 0035 - 0035 - 0034 - 0034 - 0034	- 0031 - 0031 - 0031 - 0030	- 0038 - 0038 - 0038 - 0038
795 796 797 798 799	- 0043 - 0042 - 0042 - 0042 - 0041	- 0039 - 0038 - 0038 - 0038	- 0033 - 0033 - 0033 - 0033	- 0030 - 0030 - 0030	- 0028 - 0027 - 0027 - 0027 - 0027
8.00 8.01 8.02 8.03 8.04	- 0041 - 0041 - 0041 - 0040 - 0040	- 0037 - 0037 - 0037 - 0036 - 0036	- 0032 - 0032 - 0032	- 0038 - 0038 - 0039 - 0039	- 0027 - 0026 - 0026 - 0026
8.05 8.06 8.07 8.08 8.09	- 0040 - 0039 - 0039 - 0039 - 0058	- 0036 - 0036 - 0035 - 0035 - 0035	- 0031 - 0031 - 0031 - 0030 - 0030	- 2028 - 2028 - 2027 - 2027 - 2027	- 0035 - 0035 - 0035 - 0025
810 811 812 813 814	- 0038 - 0038 - 0038 - 0037 - 0037	- 0034 - 0034 - 0034 - 0034 - 0033	- 0030 - 0030 - 0039 - 0030	- 0027 - 0027 - 0026 - 0026 - 0026	- 0025 - 0024 - 0024 - 0024 - 0024
815 816 817 818 819	- 0037 - 0036 - 0036 - 0036	- 0033 - 0033 - 0033 - 0032	- 0038 - 0038 - 0038 - 0039	- 0026 - 0025 - 0025 - 0025	- 0024 - 0023 - 0023 - 0023
821 822 822 823 824	- 0035 - 0035 - 0035 - 0034 - 0034	- 0032 - 0033 - 0031 - 0031	- 0028 - 0027 - 0027 - 0027 - 0027	- 0025 - 0025 - 0024 - 0024	- 2002 - 2500 - 2500 - 2500 - 2002
8.25	0034	- 0031	- 2027	- 0024	2002

 $W_1(x, r)$ 

			W1 (X, 1)		
X		1.1	1.25	1,5	2.0
825 826 827 828 829	0058 0058 0057 0057 0057	- 0055 - 0054 - 0053 - 0053	- 0050 - 0050 - 0050 - 0049	- 0046 - 0045 - 0045 - 0045 - 0044	- 0040 - 0039 - 0039 - 0038
830 831 832 833 834	0056 0056 0055 0055	0053 0052 0052 0052 0051	0049 0048 0048 0048	0044 0044 0043 0043 0043	- 0038 - 0038 - 0038 - 0037 - 0037
835 836 837 838 839	0054 0054 0054 0053 0053	0051 0051 0050 0050 0049	0047 0047 0046 0046	- 0042 - 0042 - 0042 - 0041 - 0041	- 0037 - 0036 - 0036 - 0036 - 0036
8.40 8.41 8.42 8.43 8.44	- 0052 - 0052 - 0051 - 0051	0049 0049 0048 0048 0048	0045 0045 0045 0044	0041 0040 0040 0040 0039	0035 0035 0035 0034 0034
8.45 8.46 8.47 8.48 8.49	- 0051 - 0050 - 0050 - 0049 - 0049	0047 0047 0047 0046 0046	0044 0043 0043 0042 0042	- 0039 - 0039 - 0038 - 0038 - 0038	- 0034 - 0034 - 0033 - 0033 - 0033
01123 5555 6655 666	0049 0048 0048 0047	0046 0045 0045 0045 0044	0042 0042 0041 0041	- 0038 - 0037 - 0037 - 0037 - 0036	- 0032 - 0032 - 0032 - 0032 - 0031
55 55 55 55 55 55 55 55 55 55	0047 0047 0046 0046	0044 0044 0043 0043 0043	0040 0040 0040 0039 0039	- 0036 - 0036 - 0035 - 0035 - 0035	0031 0031 0030 0030
8.60 8.61 8.62 8.63 8.64	0045 0045 0044 0044	0042 0042 0042 0041 0041	0039 0038 0038 0038	- 0035 - 0034 - 0034 - 0034 - 0033	- 0089 - 0089 - 0089 - 0089
8.55 8.66 8.67 8.68 8.69	- 0044 - 0043 - 0043 - 0043	0041 0040 0040 0040 0039	- 0037 - 0037 - 0037 - 0036 - 0036	- 0033 - 0033 - 0033 - 0038 - 0038	- 0058 - 0058 - 0058 - 0058
8.70 8.71 8.72 8.73 8.74	0042 0042 0041 0041	0039 0039 0038 0038 0038	- 0036 - 0035 - 0035 - 0035 - 0035	- 0032 - 0032 - 0031 - 0031	- 0027 - 0027 - 0027 - 0027 - 0026
8.75 8.76 8.77 8.78 8.79	- 0040 - 0040 - 0040 - 0039 - 0039	- 0038 - 0037 - 0037 - 0037 - 0036	0034 0034 0034 0033	- 0031 - 0030 - 0030 - 0030 - 0030	- 0026 - 0026 - 0025 - 0025
8.80 8.81 8.82 8.83 8.84	0039 0039 0038 0038	0036 0036 0035 0035	- 0033 - 0033 - 0038 - 0038	- 0029 - 0029 - 0029 - 0029	0025 0025 0025 0034 0024
8.85 8.86 8.88 8.89	- 0037 - 0037 - 0037 - 0036 - 0036	0035 0034 0034 0034 0034	0038 0031 0031 0031 0031	0028 0028 0028 0027 0027	- 0024 - 0024 - 0024 - 0023 - 0023
890 891 892 893 894	0036 0036 0035 0035	- 0033 - 0033 - 0033 - 0038 - 0038	- 0030 - 0030 - 0039 - 0089	- 2027 - 2027 - 2026 - 2026 - 2026	- 0085 - 0085 - 0083 - 0083
8.95 8.96 8.97 8.98 8.99	0034 0034 0034 0034 0033	- 0032 - 0032 - 0031 - 0031 - 0031	- 0029 - 0028 - 0028 - 0028	- 0026 - 0025 - 0025 - 0025 - 0025	- 0022 - 0022 - 0021 - 0021 - 0021
9.00	- ,0 0 3.3	0031	0028	0025	- 0021
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X	3.0	4.0	6.0	8.0	10.0
825 826 827 828 829	- 0034 - 0034 - 0033 - 0033 - 0033	- 0031 - 0030 - 0030 - 0030 - 0030	- 0026 - 0026 - 0026 - 0026	- 0024 - 0024 - 0024 - 0023 - 0023	- 0022 - 0022 - 0021 - 0021
830 831 832 833 834	0033 0032 0032 0031	- 0029 - 0299 - 0299 - 0208	- 0026 - 0025 - 0025 - 0025 - 0025	- 0088 - 0083 - 0083	- 0021 - 0021 - 0021 - 0021
835 836 837 838 839	- 0031 - 0031 - 0031 - 0030 - 0030	- 0028 - 0028 - 0028 - 0027	- 0025 - 0024 - 0024 - 0024 - 0024	- 0031 - 0032 - 0032 - 0032	- 0030 - 0030 - 0030 - 0030
8.40 8.41 8.42 8.43 8.44	- 0050 - 6200 - 6200 - 6200 - 6200 - 6200 - 6200	- 0027 - 0027 - 0027 - 0026 - 0026	- 0024 - 0023 - 0023 - 0023 - 0023	- 0031 - 0031 - 0031 - 0031	- 0020 - 0019 - 0019 - 0019 - 0019
8.45 8.46 8.47 8.48 8.49	- 008 - 2008 - 2006 - 2006 - 2008	- 0026 - 0026 - 0025 - 0025	- 7035 - 7035 - 7035 - 7035 - 7033	- 0080 - 0080 - 0080 - 0080 - 0080	- 0019 - 0019 - 0018 - 0018 - 0018
855 855 855 855 8	0028 0027 0027 0027 0027	- 0025 - 0025 - 0025 - 0024 - 0024	- 0031 - 0031 - 0031 - 0035	- 0030 - 0019 - 0019 - 0019 - 0019	0018 0018 0018 0018 0017
8557 8557 8559 865	- 0026 - 0026 - 0026 - 0025	- 0024 - 0024 - 0023 - 0023 - 0023	- 0030 - 0030 - 0030	- 0019 - 0019 - 0019 - 0018 - 0018	- 0017 - 0017 - 0017 - 0017 - 0017
8.60 8.61 8.62 8.63 8.64	- 0025 - 0025 - 0025 - 0024	2800 - 8800 - 8800 - 8800 -	- 0020 - 0020 - 0020 - 0019 - 0019	- 0018 - 0018 - 0018 - 0018 - 0017	- 0017 - 0016 - 0016 - 0016 - 0016
845 846 847 848 849	- 0024 - 0024 - 0024 - 0023	- 0022 - 0022 - 0021 - 0021	- 0019 - 0019 - 0019 - 0019 - 0019	- 2017 - 2017 - 2017 - 2017 - 2017	- 0016 - 0016 - 0016 - 0016 - 0015
8.70 6.71 8.72 8.73 8.74	- 000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000	- 0021 - 0021 - 0020 - 0020	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0016 - 0016 - 0016 - 0016	- 0015 - 0015 - 0015 - 0015 - 0015
8.75 8.76 8.77 8.78 8.79	- 0051 - 0055 - 0055 - 0055	- 0020 - 0020 - 0020 - 0020 - 0019	- 0018 - 0017 - 0017 - 0017 - 0017	- 0016 - 0016 - 0016 - 0016 - 0015	- 0015 - 0015 - 0014 - 0014 - 0014
8.80 8.81 8.83 8.83 8.84	- 0021 - 0021 - 0021 - 0020	- 0019 - 0019 - 0019 - 0019 - 0019	- 0017 - 0017 - 0017 - 0016 - 0016	- 0015 - 0015 - 0015 - 0015 - 0015	- 0014 - 0014 - 0014 - 0014 - 0014
8.85 8.86 8.87 8.88 8.89	- 0020 - 0020 - 0020 - 0020 - 0019	- 0018 - 0018 - 0018 - 0018 - 0018	- 0016 - 0016 - 0016 - 0016 - 0016	- 0015 - 0015 - 0014 - 0014 - 0014	- 0014 - 0013 - 0013 - 0013 - 0013
890 891 892 893 894	- 0019 - 0019 - 0019 - 0019 - 0019	- 0018 - 0017 - 0017 - 0017 - 0017	- 0015 - 0015 - 0015 - 0015 - 0015	- 0014 - 0014 - 0014 - 0014 - 0014	- 0013 - 0013 - 0013 - 0013 - 0013
895 896 897 899 899	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0017 - 0016 - 0016 - 0016	- 0015 - 0015 - 0014 - 0014 - 0014	- 0013 - 0015 - 0013 - 0013 - 0013	- 0012 - 0012 - 0013 - 0013
9.00	- 2018	- D016	0014	- 0013	- 0012

 $W_{j}(x,r)$ 

X	i	1.1	1.25	1,5	2.0
9.00 9.01 9.02 9.03 9.04	- 0033 - 0033 - 0033 - 0033	0031 0030 0030 0030	- 0028 - 0028 - 0027 - 0027 - 0027	0025 0024 0024 0024	00 2 1 00 2 0 00 2 0 00 2 0
9.05 9.06 9.07 9.08 9.09	0032 0031 0031 0031	- 0089 - 0089 - 0089 - 0899	0027 0026 0026 0026	- 0083 - 0083 - 0083 - 0083	- 0020 - 0020 - 0019 - 0019
910 911 912 913 914	- 0030 - 0030 - 0030 - 0039	- 0028 - 0028 - 0028 - 0027 - 0027	0025 0025 0025 0024	- 0088 - 0088 - 0088 - 0880 - 0888	0019 0019 0019 0018
915 916 917 918 919	- 0088 - 0089 - 0089 - 0089	0027 0027 0026 0026	0024 0024 0024 0024 0023	- 0031 - 0031 - 0031 - 0021 - 0031	0018 0018 0018 0018
9.20 9.21 9.22 9.23 9.24	- 0028 - 0028 - 0027 - 0027 - 0027	- 2026 - 2025 - 2025 - 2025 - 2025	0022 0023 0023 0023	- 0030 - 0030 - 0030 - 0030 - 0030	- 0017 - 0017 - 0017 - 0017 - 0017
925 926 927 928 929	0027 0026 0026 0026	0025 0024 0024 0024 0084	0022 0022 0023	- 0019 - 0019 - 0019 - 0019 - 0019	- 0016 - 0016 - 0016 - 0016 - 0016
930 931 938 933 934	- 0025 - 0025 - 0025 - 0025	- 0083 - 0083 - 0083 - 0083	0021 0021 0021 0020	0018 0018 0018 0018	- 0016 - 0015 - 0015 - 0015 - 0015
935 936 937 938 939	- 0024 - 0024 - 0024 - 0023	- 0088 - 0088 - 0085 - 0085	0019 0020 0020	- 0018 - 0017 - 0017 - 0017 - 0017	- 0015 - 0015 - 0014 - 0014
9.40 9.41 9.42 9.43 9.44	- 00082 - 00082 - 00082	- 0021 - 0021 - 0021 - 0021	- 0019 - 0019 - 0019 - 0019 - 0018	0017 0017 0016 0016 0016	0014 0014 0014 0014 0013
9.45 9.46 9.47 9.48 9.49	0022 0022 0022	- 0030 - 0030 - 0030 - 0030	0018 0018 0018 0018	- 0016 - 0016 - 0016 - 0015 - 0015	- 0013 - 0013 - 0013 - 0013 - 0013
9.50 9.51 9.52 9.53 9.54	0021 0021 0021 0020	0019 0019 0019 0019 0019	- 0017 - 0017 - 0017 - 0017 - 0017	- 0015 - 0015 - 0015 - 0015 - 0014	- 0013 - 0012 - 0012 - 0012
9,55 9,56 9,57 9,58 9,59	- 0000 - 0000 - 0000 - 0000 - 0000	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0016 - 0016 - 0016 - 0016	0014 0014 0014 0014 0014	0012 0012 0012 0011
9.60 9.61 9.62 9.63 9.64	0019 0019 0019 0019	0018 0017 0017 0017 0017	- 0016 - 0016 - 0015 - 0015 - 0015	0014 0013 0013 0013 0013	- 0011 - 0011 - 0011 - 0011 - 0011
9.65 9.66 9.67 9.68 9.69	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0017 - 0016 - 0016 - 0016	0015 0015 0014 0014	0013 0013 0012 0012	0011 0011 0010 0010 0010
9.70 9.71 9.72 9.73 9.74	0017 0017 0017 0017 0017	- 0016 - 0016 - 0016 - 0015 - 0015	0014 0014 0014 0014	- 0012 - 0012 - 0013 - 0013	0010 0010 0010 0010
9.75	0017	0015	0013	0012	- 2010

 $W_{l}(x,r)$ 

X	3.0	4.0	6.0	8.0	10.0
9.00	0018	- £016	- D014	0013	0012
901 902 903 904	- 0017 - 0017 - 0017 - 0017	- 0016 - 0016 - 0015	- 0014 - 0014 - 0014 - 0014	- 0013 - 0013 - 0013 - 0012	- 0013 - 0013 - 0011
9.05 9.06 9.07 9.08 9.09	- 0017 - 0017 - 0016 - 0016 - 0016	- 0015 - 0015 - 0015 - 0015 - 0015	- 0013 - 0013 - 0013 - 0013 - 0013	- 0012 - 0012 - 0012 - 0012 - 0012	- 0011 - 0011 - 0011 - 0011
910 911 912 913 914	- 0016 - 0016 - 0016 - 0015	- 0015 - 0014 - 0014 - 0014 - 0014	- 0013 - 0013 - 0013 - 0013 - 0012	- 0012 - 0012 - 0011 - 0011	- 0011 - 0011 - 0011 - 0011 - 0011
915 916 917 918 919	0015 0015 0015 0015 0015	- 0014 - 0014 - 0014 - 0013 - 0013	- 0012 - 0012 - 0012 - 0012 - 0013	- 0011 - 0011 - 0011 - 0011 - 0011	- 2010 - 2010 - 2010 - 2010 - 2010
921 921 922 923 924	0014 0014 0014 0014 0014	- 0013 - 0013 - 0013 - 0013 - 0013	- 0012 - 0012 - 0013 - 0011 - 0011	- 0011 - 0011 - 0011 - 0010 - 0010	- 0010 - 0010 - 0010 - 0010 - 0010
925 926 927 928 929	- 0014 - 0014 - 0013 - 0013 - 0013	- 0013 - 0012 - 0012 - 0012 - 0012	- 0011 - 0011 - 0011 - 0011 - 0011	- 0010 - 0010 - 0010 - 0010 - 0010	- 0010 - 0009 - 0009 - 0009
930 931 932 933 934	- 0013 - 0013 - 0013 - 0013 - 0013	- 0012 - 0013 - 0012 - 0012 - 0012	- 0011 - 0011 - 0010 - 0010 - 0010	- 0010 - 0010 - 0010 - 0010 - 0009	- 0009 - 0009 - 0009 - 0009
935 936 937 938 939	- 0012 - 0012 - 0012 - 0012	- 0011 - 0011 - 0011 - 0011 - 0011	- 0010 - 0010 - 0010 - 0010 - 0010	- 0009 - 0009 - 0009 - 0009	- 0009 - 0009 - 0009 - 0009
9,40 9,41 9,42 9,43 9,44	- 0012 - 0012 - 0012 - 0011	0011 0011 0011 0011 0010	- 0010 - 0010 - 0010 - 0009 - 0009	- 0009 - 0009 - 0009	- 0008 - 0008 - 0008 - 0008
9,45 9,46 9,47 9,48 9,49	- 0011 - 0011 - 0011 - 0011 - 0011	- 0010 - 0010 - 0010 - 0010 - 0010	- 0008 - 0008 - 0008 - 0008	- 0008 - 0008 - 0008 - 0008	8000 8000 8000 8000
950 951 958 953 954	- 0011 - 0011 - 0010 - 0010 - 0010	- 0010 - 0010 - 0010 - 0009 - 0009	- 0008 - 0008 - 0008 - 0008	- 0008 - 0008 - 0008 - 0008	- 0008 - 0008 - 0007 - 0007
9.55 9.56 9.57 9.58 9.59	- 0010 - 0010 - 0010 - 0010 - 0010	- 0009 - 0009 - 0009 - 0009	8000 - 8000 - 8000 - 8000 -	- 0008 - 0008 - 0008 - 0008	- 0007 - 0007 - 0007 - 0007 - 0007
9.60 9.61 9.62 9.63 9.64	- £010 - £009 - £009 - £009	- 0009 - 0009 - 0009 - 0008	8000 - 8000 - 8000 - 8000 - 8000	- 0007 - 0007 - 0007 - 0007 - 0007	- 0007 - 0007 - 0007 - 0007 - 0007
9.65 9.66 9.67 9.68 9.69	- 0009 - 0009 - 0009 - 0009	8000 - 8000 - 8000 - 8000 - 8000	- 0008 - 0008 - 0007 - 0007 - 0007	- 0007 - 0007 - 0007 - 0007 - 0007	- 0007 - 0007 - 0007 - 0007 - 0006
970 971 972 973 974	- 0009 - 0008 - 0008 - 0008	- 0008 - 0008 - 0008 - 0008	- 0007 - 0007 - 0007 - 0007 - 0007	- 0007 - 0007 - 0007 - 0007 - 0007	- 0006 - 0006 - 0006 - 0006
9.75	800Q -	8000 -	0007	- 2007	- 2006

W<sub>[</sub> (x, r)

X	1	1.1	1.25	1.5	2.0
9.75 9.76 9.77 9.78 9.79	- 0017 - 0016 - 0016 - 0016 - 0016	0015 0015 0015 0015 0014	- 0013 - 0013 - 0013 - 0013 - 0013	- 0012 - 0011 - 0011 - 0011 - 0011	- 0010 - 0009 - 0009 - 0009 - 0009
980 981 982 983 984	- 0016 - 0016 - 0015 - 0015 - 0015	0014 0014 0014 0014 0014	- 0013 - 0013 - 0018 - 0018 - 0018	- 0011 - 0011 - 0011 - 0011 - 0010	0009 0009 0009 0009
9.85 9.86 9.87 9.88 9.89	- 0015 - 0015 - 0015 - 0015 - 0014	0014 0013 0013 0013 0013	0012 0012 0012 0013	- 0010 - 0010 - 0010 - 0010	- 0009 - 0008 - 0008 - 0008
991 992 993 994	0014 0014 0014 0014	- 0013 - 0013 - 0013 - 0012 - 0012	- 0011 - 0011 - 0011 - 0011	- 0010 - 0010 - 0010 - 0009 - 0009	8000 - 8000 - 8000 - 8000 -
9.95 9.96 9.97 9.98 9.99	0013 0013 0013 0013	- 0012 - 0012 - 0013 - 0013	- 0011 - 0011 - 0011 - 0010 - 0010	- 0009 - 0009 - 0009	- 2008 - 2007 - 2007 - 2007 - 2007
10.00	0013	0012	0010	- 2009	0007
				į	
	j			·	
	į				

X	3.0	4.0	6.0	8.0	10.0
975 976 977 978 979	8000. - 8000. - 8000. - 8000.	- 2008 - 2007 - 2007 - 2007 - 2007	- 0007 - 0007 - 0007 - 0007 - 0007	- 0007 - 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006 - 0006 - 0006
9.80 9.81 9.82 9.83 9.84	0008 0008 0007 0007	- 2007 - 2007 - 2007 - 2007 - 2007	- 0007 - 0007 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006 - 0006
9.85 9.86 9.87 9.88 9.89	- 0007 - 0007 - 0007 - 0007 - 0007	- 0007 - 0007 - 0007 - 0007 - 0006	- 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006	- 0006 - 0006 - 0005 - 0005
990 991 992 993 994	0007 0007 0007 0007	- 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0005 - 0005	- 0005 - 0005 - 0005 - 0005 - 0005
995 996 997 998 999	- 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006 - 0006	- 0006 - 0006 - 0006 - 0006 - 0005	- 0005 - 0005 - 0005 - 0005 - 0005	- 0005 - 0005 - 0005 - 0005 - 0005
1000	- noos	- aoos	- 200a -	- D005	- D005
	19				-

W2(x,r)

1   1.1   1.25   1.5	2.0
I of I second   chances   notices   notices   int	646599
02 53177607 56453305 80038055 92770206 1016 03 54712850 67664834 80876553 93183280 1018 04 56810916 58841629 81682495 93567817 1014	544046 517283 566661 498532
06 59100771 71091782 83197767 94249450 1.012 07 60492209 72165540 83907634 94548339 1.012 08 61848169 73205364 84586026 94819517 1.005	395351 375171 132651 968047 781719
11	574026 545329 095989 526369 536830
16	227734 399445 552526 L86738
21	01607 982789 546950 094451 685653
26 80394463 86397484 91787410 95384572 946 27 81113019 86840703 91896107 95165270 941 28 81800489 87255409 92009704 94955317 935	140914 540598 125046 594630
31 83678610 88331639 98205373 94205188 919 32 84244283 886335498 9222058 93916270 913 33 84780256 88912462 92213396 93608521 907	190609 917711 331354 731890 L19664
36	(95084   58314   309875   550049   379178
A1	197583 505614 303599 391866 370743
46 89187098 90819362 90164513 88058773 819 47 89340458 90155543 89868511 87525252 811 48 89468960 90070000 89554531 86978266 803	540555 001625 L54272 598814 535566
51 89708848 89686556 88508297 85859998 780 52 89741409 89517653 88125975 84662608 773 53 89750858 89328799 87727455 84053479 765	364840 186946 302191 310878 713308
56     89644003     88646077     86438233     82158993     741       57     89564487     88380967     85978441     81506244     732       58     89463611     88097679     85504205     80843419     724       59     89341727     87796569     85015873     80170845     716	09781 100590 886029 866386 841949
.61	313000 779820 42684 501868 57642
56 87930032 85219329 81231610 75216785 557 87652821 84788285 80642785 74477686 549 88 87357784 84342566 80042906 73731665 540	10273 160025 007160 051934 94603
71 86369836 88980792 78180820 71455065 614 72 86006411 88419800 77539388 70684335 606 73 85627513 81905838 76889181 69908158 597	35416 74622 12464 49184 85019
75 84822890 80840347 75561548 68340602 580	20202

 $W_2(x,r)$ 

			W <sub>2</sub> (x,r)		
X	3.0	4.0	6.0	8.0	10.0
00 01 02 03	1,01036297 1,00672450 1,00290795 99891674 99475425	95312500 94832325 94337811 93829275 93307030	84201209 83669776 83127642 82575081 82012364	75682522 75160446 74629578 74090160 73542434	.59174823 .68674250 .68166078 .67650528 .67127819
25	99042390	92771391	81439763	72986641	£6598169
26	98592909	92222673	80857548	72423021	£6061797
27	98127322	91661187	80865989	71851813	£5518918
28	97645970	91087247	79665354	71273254	£4969749
29	97149192	90501164	79055910	70687581	£4414503
10	96637327	89903248	78437924	.70095031	.63853393
11	96110714	89293810	77811660	.69495835	.63286632
12	95569691	88673157	77177382	.68890328	.58714430
13	95014595	88041598	76535351	.68878441	.62136996
14	94445762	87399438	75885828	.57660703	.61554538
15	93863527	86746981	75229073	.67037244	60967262
15	93268226	860845389	74565342	.66408289	60375373
17	92660190	85412389	73894891	.65774063	59779074
18	92039752	84730856	73217975	.55134792	59176567
19	91407242	84040230	72534845	.64490695	58574052
20	90762990	83340808	.71845752	.53841994	.57965727
21	90107323	82632885	.71150946	.53188906	.57353790
22	89440567	81916753	.70450672	.52531548	.56738434
23	88763047	81192705	.69745175	.51870435	.56119854
24	88075084	80461029	.69034698	.51205480	.55498241
25	87377001	79722012	£8319482	£0536992	54873784
26	86669116	78975940	£7599766	£9865181	54246671
27	85951747	78223096	£6875785	£9190254	53617088
28	85225208	77463759	£6147774	£8512415	52985219
29	84489812	76698209	£5415966	£7831867	58351246
30	.83745870	75926722	£4680589	57148810	51715349
31	.82993692	75149572	£3941873	56463443	51077706
32	.82233583	74367030	£3200040	55775962	50438492
33	.81465847	73579365	£2455316	55086560	49797883
34	.80690787	72786843	£1707920	54395431	49156049
35	.79908701	71989729	£0958070	.53702763	#8513160
36	.79119887	71188284	£0205982	.53008743	#7869385
37	.78324639	70382767	£9451868	.523313557	#7224889
38	.77523249	69573433	£869\$941	.51617387	#6579835
39	.76716005	68760537	£7938407	.50920413	#5934384
40	75903195	67944328	57179472	50222815	45288696
41	75085102	67125056	56419340	49524766	44642927
42	74262007	66302965	55658210	48826441	43997232
43	73434188	65478297	54896281	48128010	43351764
44	72601921	64651293	54133748	47429642	42706673
45	71765478	.63822188	53370802	46731503	42062107
46	70925129	.62991217	52607635	46033756	41418211
47	70081141	.52158610	51844434	45336563	40775130
48	69233777	.61324596	51081382	44640082	40133004
49	68383298	.50489399	50318662	43944470	39491973
50	67529962	59653241	A9556452	43249880	38852172
51	66674023	58816342	A8794929	42556463	38213737
52	65815734	5778916	A8034267	41864369	37576800
53	64955341	5714179	A7274637	41173744	36941491
54	64093091	56303338	A6516206	40484731	36307937
55	63229226	.55465601	45759140	39797471	35676263
56	62363984	.54628173	45003602	39112105	35046592
57	61497603	.53791252	44249752	38428767	34419046
58	60630313	.52955038	43497745	37747592	33793742
59	59762344	.52119724	42747738	37068711	33170797
&0	58893923	51285501	41999881	36392253	32550324
&1	58025272	50452559	41254322	35718344	31932435
&2	57156611	49621082	40511209	35047108	31317239
&3	56288156	48791253	39770684	34378666	30704843
&4	55420120	47963249	39032887	33713137	30095351
£5	54552712	47137247	38297956	33050637	29488667
£6	53686140	46313420	37566026	32391280	28885490
£7	52820605	45491936	36837229	31735177	28285317
£8	51956308	44672962	36111695	31082438	27688446
£9	51093445	43856661	35389549	30433168	27094968
70	50232208	43043194	34670916	29787472	26504975
71	49372789	42832717	33955916	39145450	25918856
72	48515372	41425383	33244669	38507203	25335797
73	47660140	40621344	32537289	27872825	24756783
74	46807275	39820748	31833890	37242414	24181597
.75	A5956951	39023737	31134582	26616058	23610317

W<sub>2</sub>(x,r)

	<del></del>	<del></del>	W <sub>2</sub> (x,r)		
X	1	1.1	1.25	1.5	2.0
.75	84822890	80840347	75561548	£8340602	58 02 02 02 02 57 154965 562 89535 55424134 545 58984
.76	84397857	80289486	74884868	£7549785	
.77	83958137	79726989	74200006	£6754645	
.78	83504071	79153185	73507268	£5955456	
.79	83036002	78568399	72806958	£5152489	
80	.82554271	77972957	.72099376	£4346009	53694301
81	.82059214	77367180	.71384823	£3536281	52830299
82	.81581169	76751390	.70663592	£2723565	51967186
83	.81030478	76125902	.69935978	£1908121	51105170
84	.80497456	75491033	.69202270	£1090200	50244453
.85	.79952452	74847096	£8462755	.50270053	49385235
.86	.79395789	74194401	£7717717	.59447929	48527712
.87	.78827796	73533255	£6967438	.58624070	47672075
.88	.78248798	72863965	£6212195	.57798718	46818514
.89	.77659118	72186834	£5452263	.56972111	45967214
90	.77059079	71502161	64687915	56144481	45118357
91	.76448998	70810244	63919420	55316061	44272122
92	.75889192	70111378	63147044	544877075	43428683
93	.75199977	69405855	62371048	53657750	42588212
94	.74561664	68693965	61591694	52828304	41750877
95	73914563	67975993	.60809836	.51998955	40916843
96	73258981	672522233	.60023929	.51169916	40086271
97	72595222	66522937	.59236022	.50341398	39259319
98	71923590	65788411	.58445762	.49513606	38436140
99	71244383	65048921	.57653392	.48686744	37616886
1.00	.70557898	.64304738	56859153	A7861012	36801705
1.01	.59864429	.63556131	56063281	A7036605	35990741
1.02	.59164269	.62803366	55266010	A6213717	35184134
1.03	.68457704	.62046705	54467571	A5392537	34382021
1.04	.57745022	.61286408	53668189	A4573251	33584538
1.05 1.06 1.07 1.08 1.09	£7026504 .66302432 .65573082 .5573082 .54838728 .64099642	£0522732 59755930 58986251 58213944 57439250	52868089 52067492 51866613 50465666 49664863	43756041 42941086 42188563 41318642 40511494	32791814 32003977 31221152 30443459 29671016
110 1112 1113 1114	.63356092 .62608343 .61856657 .61101293 .60342508	56662412 55883667 55103247 54321386 53538308	48864408 48064507 47865358 46467159 45670103	39707283 38906171 38108317 37313875 36522999	28903937 28142334 27386314 26635983 25891441
115	59580554	52754240	44874380	35735836	25152789
116	58815680	51969402	44080176	34952531	24420120
117	58048134	51184011	43287675	34173227	23693528
118	57278158	50398283	42497057	33398062	22973102
119	56505993	49612428	41708497	32627170	22258928
1222 1222 1224 124	55731875 549560 541787 534001 526205	48826653 480412 472562 464718 456884	40922170 401382 393569 385783 378025	31860684 310987 303414 295889 288413	21551089 208497 201547 194664 187847
125	518401	.449060	370298	280987	181096
126	510590	.441249	362604	273613	174414
127	502776	.433452	354942	266290	167800
128	494960	.425672	347316	259022	161255
129	487144	.417909	339726	251807	154779
130	479331	A10167	332174	244649	148374
131	471522	A02445	324661	237546	142039
132	463720	394747	317188	230501	135775
133	455926	387074	309757	223515	189583
134	448141	379427	302370	216587	183463
135	440370	371808	295027	209720	117415
136	432612	364219	287729	202913	111440
137	424869	356660	280478	196168	105538
138	417145	349134	273275	189485	099710
139	409439	341643	266120	182866	093955
1.40	.401755	334186	259016	176310	288275
1.41	.394093	326766	251963	169819	282669
1.42	.386455	319385	244962	163393	277137
1.43	.378843	312043	238014	157033	271681
1.44	.371259	304741	231121	150740	266299
1.45 1.46 1.47 1.48 1.49	363704 356180 348687 341228 333804	297482 290866 283094 275968 268888	224282 217499 210773 204105 197494	144513 138353 138268 126239 120285	.06 0993 .055761 .05 0606 .04 5586
1.50	326416	261857	190944	114401	£828£Q

			W <sub>2</sub> (x,r)		
X	3.0	4.0	6.0	8.0	10.0
.75	A5956951	39023737	31134582	26616058	23610317
.76	A5109342	38230455	30439472	25993849	23043022
.77	A4264617	37441038	29748665	25375872	22479788
.78	A3422942	36655623	29062263	24762212	21920687
.79	A2584481	35874340	28380365	24152952	21365793
80	.41749394	35097320	27703069	23548172	20815172
81	.40917836	34324688	27030469	22947948	20268894
82	.40089960	33556567	26362655	22352357	19727022
83	.39265916	32793077	25699718	21761471	19189619
84	.38445851	32034334	25041743	21175361	18656747
85	37629908	31280453	24388815	20594094	18128464
86	36818227	30531544	23741014	20017737	17604827
87	36010944	29787716	23098419	19446355	17085890
88	35208193	29049072	22461106	18880007	16571706
89	34410103	28315716	21829150	18318755	16062326
90	33616803	27587746	21202620	17762654	15557798
91	32828415	26865259	20581587	17211760	15058169
92	32045060	26148347	19966115	16666126	14563484
93	31266856	25437101	19356270	16125803	14073786
94	30493916	24731609	18752111	15590838	13589115
95	29726353	24031955	18153699	15061278	13109510
96	28954273	23338221	17561090	14537169	12635008
97	28207783	22650487	16974339	14018551	12165646
98	27456983	21968829	16393496	13505466	11701455
99	26711973	21293320	15818613	12997951	11242468
1.00	25972848	20624031	15249735	12496043	10788714
1.01	25239702	19961031	14686909	11999776	10340222
1.02	24512623	19304385	14130178	11509182	09897018
1.03	23791699	18654157	13579581	11024292	09459125
1.04	23077013	18010405	13035157	10545134	09026568
1.05	22368646	17373189	12496944	10071734	08599366
1.06	21666677	16742569	11964973	09604118	08177539
1.07	20971181	16118578	11439279	09142308	07761106
1.08	20283229	15501287	10919890	08686325	07350081
1.09	19599891	14890735	10406835	08236188	06944480
110	18924235	14286969	09900139	07791915	06544315
111	189255325	13699031	09399827	07353521	06149597
112	17593217	13099960	08905919	06921020	05760337
113	16937975	12516795	08418435	06494424	05376542
114	16289653	11940571	07937395	06073744	04998219
115 116 117 118 119	15648305 15013980 14386726 13766588 13153610	11371321 10809075 10253863 09705711	07462812 06994702 06533076 06077946 05629318	.05658988 .05250164 .04847278 .04450332 .04059330	04625373 04258008 03896126 03539727 03188812
120	12547830	08630678	.05187200	03674272	.02843378
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122	113580	075841	.043225	029220	.021689
123	107741	070716	.038999	029247	.018399
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127	085118	050933	022748	.011451	005784
128	079648	046167	018848	.008074	002765
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1.41	Q15352	- 009246	025994	- 030526	- 031617
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1.61	1.56	2829	2207	1529	.0806	.0076
	1.57	2758	2141	1468	.0752	.0032
	1.58	2688	2074	1408	.0699	0011
1.66	1.61	2479	1879	1230	.0543	0136
	1.62	2410	1816	1172	.0493	0177
	1.63	2342	1752	1115	.0444	0316
1.71	1.66	2141	1566	.0947	.0899	- 0330
	1.67	2076	1506	.0893	.0853	- 0366
	1.68	2010	1445	.0839	.0807	- 0402
1.76 1.77 1.449 1.78 1.178 1.189 1.79 1.351 1.80 1.80 1.273 1.81 1.82 1.158 1.158 1.158 1.158 1.158 1.158 1.158 1.158 1.158 1.158 1.158 1.162 1.179 1.83 1.102 1.84 1.158 1.84 1.158 1.84 1.158 1.84 1.158 1.84 1.158 1.84 1.85 1.84 1.85 1.84 1.85 1.87 1.88 1.89 1.89 1.89 1.89 1.89 1.89 1.89	171 172 173	1818 1755 1692	1369 1211 1154	0682 0631 0580	0074 0031 - 0012	- 0505 - 0538 - 0570 - 0602
181         1215         0723         0802           182         1158         0672         0159         - 0359         - 0823           183         1102         0622         0116         - 03944         - 0857           184         1047         0578         0073         - 0428         - 0877           185         0992         0523         0031         - 0462         - 0924           186         0938         0475         - 0010         - 0495         - 0924           187         0884         0428         - 0050         - 0527         - 0947           189         0779         0335         - 0129         - 0559         - 0990           189         0779         0335         - 0129         - 0589         - 0990           190         0728         0889         - 0167         - 0619         - 1010           191         0677         0245         - 0205         - 0649         - 1030           192         0627         0245         - 0248         - 0738         - 1068           194         0529         0115         - 0248         - 0733         - 1068           194         0529         0115	1.76 1.77 1.78	1509 1449 1389 1331	.0987 .0933 .0879	.0433 .0386 .0339	- 0134 - 0173 - 0818	- 0662 - 0692 - 0720 - 0748
186	1.81	1215	.0723	.0203	- 0323	0802
	1.82	1158	.0672	.0159	- 0359	0828
	1.83	1102	.0622	.0116	- 0394	0853
191	1.86	ມ938	.0475	0010	- 0495	0924
	1.87	ມ884	.0428	0050	- 0527	0947
	1.88	ມ832	.0381	0090	- 0559	0969
196	191	.0677	.0245	- 0205	- 2649	- 1030
	192	.0627	.0301	- 0242	- 2678	- 1050
	193	.0578	.0157	- 0278	- 2706	- 1068
8.00   0.251   - 0.126   - 0.512   - 0.883   - 1.182	1.96	.0434	.0032	0383	- 0786	- 1120
	1.97	.0387	0009	0416	- 0811	- 1137
	1.98	.0341	0049	0449	- 0836	- 1152
202 0164 - 0201 - 0573 - 0928 - 1209 203 0121 - 0237 - 0603 - 0950 - 1221 204 0080 - 0273 - 0631 - 0970 - 1233	201 202 203	.0207 .0164 .0121	0164 0201 0237	0543 0573 0603	- 2906 - 2928 - 2950	- 1195 - 1809 - 1821 - 1233
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2.10    0.157    0.473    0.790    1082    1295       2.11    0.194    0.504    0.814    1099    1303       2.18    0.230    0.534    0.837    1115    1311       8.13    0.266    0.564    0.860    1300    1318       2.14    0.301    0.593    0.882    145    1325	813 813	- 0194 - 0230 - 0266	0504 0534 0564	- 2814 - 2837 - 2860	- 1099 - 1115 - 1130	- 1303 - 1311 - 1318
2.15     - 0.335     - 0.621     - 0.904     - 1.159     - 1.331       2.16     - 0.368     - 0.648     - 0.925     - 1.173     - 1.337       2.17     - 0.401     - 0.675     - 0.945     - 1.186     - 1.343       2.18     - 0.434     - 0.702     - 0.965     - 1.199     - 1.347       2.19     - 0.465     - 0.727     - 0.984     - 1.211     - 1.352	218	- 0368	0648	- 0925	- 1173	- 1337
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	2.23	- 2556	0801	- 1038	- 1243	- 1363
	2.23	- 2585	0824	- 1055	- 1253	- 1365
2.2506410868108712711369	2.25	0641	0868	- 1087	- 1271	- 1369

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W <sub>2</sub>	ι	X.	r)

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152	- 0292	- 0468	- 0557	- 0558	- 0539
153	- 0328	- 0498	- 0580	- 0577	- 0557
154	- 0363	- 0527	- 0603	- 0597	- 0573
1.55	- 2398	- 0556	- 0625	- 0615	- 0590
1.56	- 2432	- 0584	- 0647	- 0633	- 0606
1.57	- 2465	- 0611	- 0668	- 0651	- 0621
1.58	- 2497	- 0638	- 0688	- 0668	- 0636
1.59	- 2529	- 0664	- 0708	- 0685	- 0651
1.60	- 0560	- 0689	- 0728	- 0701	- 0665
1.61	- 0590	- 0714	- 0746	- 0717	- 0679
1.62	- 0680	- 0738	- 0765	- 0732	- 0692
1.63	- 0649	- 0761	- 0782	- 0747	- 0705
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1.67	- 0758	0849	- 0848	- 0801	- 0751
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1.69	- 0808	0889	- 0877	- 0825	- 0772
1.70	- 0832	- 0908	- 0891	- 0836	0782
1.71	- 0856	- 0927	- 0905	- 0847	0791
1.72	- 0879	- 0944	- 0918	- 0858	0801
1.73	- 0901	- 0962	- 0930	- 0868	0809
1.74	- 0922	- 0979	- 0942	- 0877	0817
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1.76	- 0963	- 1010	- 0965	0895	0833
1.77	- 0983	- 1025	- 0976	0904	0840
1.78	- 1002	- 1040	- 0986	0912	0846
1.79	- 1021	- 1054	- 0995	0919	0853
1.80 1.81 1.82 1.83 1.84	- 1038 - 1056 - 1072 - 1088 - 1104	- 1067 - 1080 - 1098 - 1104 - 1115	- 1005 - 1013 - 1021 - 1029 - 1037	- 0926 - 0933 - 0946 - 0951	- 0859 - 0864 - 0870 - 0875 - 0879
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215 216 217 218 219	- 1323 - 1322 - 1322 - 1321 - 1320	- 1237 - 1235 - 1232 - 1229 - 1226	- 1079 - 1075 - 1072 - 1067 - 1063	- 4963 - 4955 - 4955 - 4956	- 0876 - 0878 - 0868 - 0863 - 0859
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221	- 1316	- 1219	- 1054	- 4936	- 0849
222	- 1314	- 1214	- 1048	- 4931	- 0844
223	- 1311	- 1210	- 1043	- 4925	- 0839
224	- 1308	- 1205	- 1038	- 4920	- 0834
2.25	- 1308	- 1200	- 1032	- 0914	- D838

Wa	ſ	v	-1
W.	1	х.	11

			W <sub>2</sub> (x,r)		<del> </del>
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5567 8888 8888 8888	- 0641 - 0668 - 0694 - 0730 - 0745	- 0868 - 0889 - 0910 - 0930 - 0950	- 1087 - 1102 - 1116 - 1130 - 1143	- 1271 - 1280 - 1287 - 1295 - 1301	- 1369 - 1371 - 1372 - 1372 - 1372
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235 236 237 238 239	0882 0902 0923 0942 0961	- 1054 - 1070 - 1084 - 1099 - 1113	- 1212 - 1222 - 1231 - 1240 - 1248	- 1333 - 1336 - 1334 - 1344	- 1365 - 1363 - 1360 - 1357 - 1353
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244	- 1189	- 1063	- 0890	- 0778	- 0700
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259	- 1055	- 0924	- D758	- 0656	0586
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3.09	- 1145	- 1065	- 0962	0826	- 0642
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313	- 1110	- 1084	- 0916	0776	0592
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315 316 317 318 319	- 1091 - 1081 - 1072 - 1063 - 1052	- 1003 - 0992 - 0982 - 0971 - 0960	- 0893 - 0881 - 0869 - 0857 - 0846	0751 0739 0727 0714 0702	0567 0555 0531 0531
3.80	- 1042	- 0949	- 0834	- 0689	- 0506
3.81	- 1032	- 0938	- 0828	- 0677	- 0494
3.82	- 1021	- 0926	- 0810	- 0665	- 0498
3.23	- 1011	- 0915	- 0798	- 0652	- 0470
3.24	- 1001	- 0904	- 0786	- 0640	- 0458
3.25	- 0990	0892	- 0774	- 0628	- 0447
3.26	- 0979	0881	- 0762	- 0616	- 0435
3.27	- 0968	0869	- 0750	- 0603	- 0423
3.28	- 0957	0858	- 0737	- 0591	- 0412
3.29	- 0946	0846	- 0725	- 0579	- 0400
330	- 0935	- 0834	- 0713	- 0567	- 0389
331	- 0924	- 0823	- 0701	- 0555	- 0377
332	- 0913	- 0811	- 0689	- 0543	- 0366
333	- 0902	- 0799	- 0677	- 0531	- 0355
334	- 0890	- 0787	- 0665	- 0519	- 0344
335	- 0879	- 0775	- 0653	0507	- 0333
336	- 0867	- 0764	- 0641	0495	- 0322
337	- 0856	- 0752	- 0689	0483	- 0311
338	- 0844	- 0740	- 0617	0472	- 0300
339	- 0833	- 0728	- 0605	0460	- 0290
3.40	- 0821	0716	- 0593	- 0448	~ 0279
3.41	- 0809	0704	- 0581	- 0437	- 0268
3.42	- 0798	0692	- 0569	- 0485	- 0268
3.43	- 0786	0680	- 0557	- 0414	- 0248
3.44	- 0774	0668	- 0546	- 0403	- 0248
345	- D762	- 0657	- 0534	- 0391	- 0228
346	- 0751	- 0645	- 0522	- 0380	- 0218
347	- 0759	- 0633	- 0511	- 0369	- 0208
348	- 0727	- 0621	- 0499	- 0358	- 0198
349	- 0715	- 0609	- 0487	- 0347	- 0188
3.50 3.51 3.52 3.53 3.54	0703 0691 0668 0656	- 0597 - 0586 - 0574 - 0562 - 0551	- 0476 - 0464 - 0453 - 0442 - 0431	0336 0326 0315 0304 0294	- 0179 - 0169 - 0160 - 0151 - 0141
355 356 357 358 359	- 0644 - 0638 - 0609 - 0609	- 0539 - 0587 - 0516 - 0504 - 0493	0419 0408 0397 0386 0375	- 0283 - 0273 - 0263 - 0253 - 0243	- 0132 - 0123 - 0115 - 0106 - 0097
3.60	- 0585	0482	- 0364	- 0233	0089
3.61	- 0574	0470	- 0354	- 0223	0081
3.62	- 0562	0459	- 0343	- 0213	0072
3.63	- 0550	0448	- 0332	- 0304	0064
3.64	- 0539	0437	- 0322	- 0194	0056
3.65	0527	- 0486	- 0311	- 0185	0048
3.66	0516	- 0415	- 0301	- 0175	0040
3.67	0504	- 0404	- 0291	- 0166	0033
3.68	0493	- 0393	- 0281	- 0157	0025
3.69	0482	- 0382	- 0271	- 0148	0018
370 371 378 373 374	- 0470 - 0459 - 0458 - 0437 - 0426	- 0371 - 0361 - 0350 - 0339 - 0339	- 0261 - 0251 - 0241 - 0231 - 0322	- 0139 - 0130 - 0121 - 0113 - 0104	0010 0003 .0004 .0011
3.75	0415	0319	- 0212	0096	.0025

W <sub>2</sub>	(	x.	r	)	

3.0	$W_2(x,r)$						
100	X	3.0	4.0	6.0	8.0	10.0	
2266	3.01	- 0542	0435	- 0388	- 0264	- 0227	
	3.02	- 0530	0424	- 0313	- 0256	- 0220	
	3.03	- 0518	0413	- 0304	- 0247	- 0212	
111	3.06	0483	- 0380	- 0276	- 0223	- 0190	
	3.07	0471	- 0370	- 0267	- 0215	- 0183	
	3.08	0460	- 0359	- 0258	- 0207	- 0176	
316	311	0425	- 0328	- 0231	- £183	0154	
	312	0414	- 0317	- 0222	- £176	0147	
	313	0402	- 0307	- 0214	- £168	0141	
321	316	- 0369	- D277	0188	- 0146	- 0120	
	317	- 0358	- D267	0180	- 0138	- 0114	
	318	- 0347	- D257	0172	- 0131	- 0107	
326	3.21 3.22 3.23	0314 0304 0293	- 0219 - 0210	- 0147 - 0140 - 0132	0110 0103 0096	- 0088 - 0082 - 0076	
331	326	- 0262	- 0182	- 0109	- 0076	- 0058	
	327	- 0252	- 0173	- 0101	- 0069	- 0052	
	328	- 0242	- 0164	- 0094	- 0063	- 0046	
	329	- 0232	- 0155	- 0087	- 0057	- 0041	
3.36	331	- 0212	- 0138	- 0072	0044	- 0029	
	332	- 0203	- 0129	- 0065	0038	- 0034	
	333	- 0193	- 0121	- 0058	0032	- 0019	
3A1	336	- 0168	- £096	- 0038	- 2015	- 0003	
	337	- 0156	- £088	- 0032	- 2009	0002	
	338	- 0147	- £081	- 0025	- 2003	0007	
3.46	3.41	- 0120	0057	- 2000	0013	0021	
	3.42	- 0112	0050	2000	0018	0026	
	3.43	- 0103	0043	2006	0023	0031	
355	3.46	- 0078	- 0021	.0023	0038	0044	
	3.47	- 0070	- 0014	.0028	0043	0048	
	3.48	- 0062	- 0007	.0034	0047	0052	
356	3.5.1	- 2039	0013	Д050	2061	2064	
	3.5.2	- 2031	0019	Д055	2065	2068	
	3.5.3	- 2024	0025	Д060	2070	2072	
361	3.56 3.57 3.58	- 0002 0005 0012 0018	0044 0049 0055 0061	.0075 .0079 .0084 .0088	0082 0086 0090 0094	2800 3800 0800	
3.66	3.61	0032	.0072	0097	\$101	0100	
	3.62	0038	.0077	0101	\$104	0103	
	3.63	0044	.0083	0105	\$108	0106	
3.71	3.66	0063	0098	£117	0118	0114	
	3.67	0068	0102	£120	0121	0117	
	3.68	0074	0107	£124	0124	0120	
3.74   0.106   0.133   0.144   0.140   0.134	3.71	Д091 Д096	0121 0125	0134 0138	0132 0135	.0127 .0129	
3.75 01·11 0137 0147 0143 0136	3.75	.01-11	£137	.0147	.0143	.0136	

W<sub>2</sub>(x,r)

$W_2(x,r)$						
X		i.i	1.25	1.5	2.0	
3.75 3.76 3.77 3.78 3.79	- 0415 - 0404 - 0393 - 0382 - 0372	0319 0308 0298 0288 0278	- 0212 - 0203 - 0193 - 0184 - 0175	- 2096 - 2088 - 2080 - 2072 - 2064	D025 D031 D038 D044 .0050	
3.80 3.81 3.82 3.83 3.84	0361 0350 0340 0330 0319	0268 0258 0249 0239 0229	0166 0157 0148 0140 0131	0056 0048 0041 0033	.0057 .0063 .0069 .0074 .0080	
3.85 3.86 3.87 3.88 3.89	- 0309 - 0299 - 0289 - 0279 - 0269	- 0220 - 0210 - 0201 - 0192 - 0183	- 0122 - 0114 - 0106 - 0098 - 0089	- 0018 - 0011 - 0004 - 0003 - 0009	0086 .0091 .0097 .0102 .0107	
390 391 392 393 394	- 0259 - 0249 - 0240 - 0230 - 0221	0174 0165 0156 0147 0139	- 0081 - 0074 - 0066 - 0058 - 0051	0016 0023 0029 0036 0042	.0112 .0117 .0122 .0126 .0131	
3.95 3.96 3.97 3.98 3.99	- 0211 - 0202 - 0193 - 0184 - 0175	0130 0122 0114 0106 0097	0043 0036 0039 0022 0015	.0048 .0054 .0050 .0060 .0071	0136 0140 0144 0148 0152	
4.00 4.01 4.02 4.03 4.04	- 0166 - 0157 - 0149 - 0140 - 0132	- 0090 - 0082 - 0074 - 0066 - 0059	0008 0001 .0006 .0012 .0019	.0077 .0088 .0088 .0093 .0098	£156 £160 £164 £168 £171	
4.05 4.06 4.07 4.08 4.09	- 0123 - 0115 - 0107 - 0099 - 0091	- 0051 - 0044 - 0037 - 0030 - 0023	.0025 .0031 .0037 .0043	0103 0108 0113 0117 0122	D174 D178 D181 D184 D187	
410 411 412 413 414	0083 0075 0068 0060 0053	0016 0009 0002 0004 .0011	0055 0061 0066 0072	.0126 .0131 .0135 .0139 .0143	0190 0193 0196 0198 0201	
415 416 417 418 419	0045 0038 0031 0084 0017	.0017 .0033 .0030 .0036	.0082 .0088 .0093 .0097	.0147 .0155 .0155 .0158 .0162	0203 0206 0208 0210 0312	
4,20 4,21 4,23 4,23 4,24	- 0010 - 0004 .0003 .0009 .0016	.0 0 4 7 .0 0 5 3 .0 0 5 9 .0 0 6 4	0107 0112 0116 0121 0125	0165 0169 0173 0175 0178	Q214 Q316 Q318 Q219 Q231	
4.25 4.26 4.27 4.28 4.29	0022 0028 0034 0040 0046	.0075 .0080 .0085 .0090 .0095	0189 0133 0137 0141 0145	0181 0184 0187 0189 0192	0224 0225 0225 0222 0228	
4.30 4.31 4.32 4.33 4.34	0052 0057 0063 0068 0073	0100 0104 0109 0113 0118	0148 0152 0155 0155 0168	.0194 .0197 .0199 .0201 .0203	.0250 .0250 .0252 .0252	
435 436 437 438 439	.0079 .0084 .0089 .0093 .0098	.0122 .0126 .0130 .0134 .0138	.0165 .0168 .0171 .0174	.0205 .0207 .0209 .0211 .0212	.0233 .0235 .0235 .0236	
4.40 4.41 4.42 4.43 4.44	.0103 .0107 .0112 .0116 .0120	.0142 .0145 .0149 .0152	.0180 .0182 .0185 .0187 .0190	0214 0215 0217 0218 0219	9836 9836 9837 9837 9837	
4.45 4.46 4.47 4.48 4.49	0125 0129 0132 0136 0140	0159 0163 0165 0168 0171	0192 0194 0196 0198	.0221 .0222 .0223 .0224 .0224	.0237 .0237 .0237 .0237 .0236	
4.50	.0144	.0173	0202	.0882	.0 2 3 6	

W <sub>2</sub>	f	v		١
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W <sub>2</sub> (x,r)						
X 75	3.0	4.0	6.0	8.0	0.01	
3.75 3.76 3.77 3.78 3.79	Ø111 Ø116 Ø121 Ø125 Ø130	0137 0141 0145 0149 0152	0147 0150 0153 0155 0158	0143 0145 0147 0150 0152	0136 0138 0140 0142 0144	
3.80 3.81 3.82 3.83 3.84	.0134 .0139 .0143 .0147 .0151	0156 0159 0163 0166 0169	0161 0163 0165 0168 0170	0154 0156 0158 0160 0162	0146 0147 0149 0151 0152	
3.85 3.86 3.87 3.88 3.89	Q155 Q159 Q168 Q166 Q169	.0172 .0175 .0178 .0180 .0183	0172 0174 0176 0178 0180	2163 2165 2166 2168 2169	0154 0155 0156 0158 0159	
390 391 392 393 394	0173 0176 0179 0182 0185	0186 0188 0191 0193 0195	0182 0184 0185 0187 0188	0171 0172 0173 0175 0176	0160 0161 0162 0163 0164	
3.95 3.96 3.97 3.98 3.99	0188 0191 0194 0196 0199	0197 0199 0201 0203 0205	0190 0191 0192 0193 0194	0177 0178 0179 0180 0180	0165 0166 0167 0167 0168	
4.00 4.01 4.02 4.03 4.04	0201 0203 0206 0208 0210	0206 0208 0210 0211 0212	0195 0196 0197 0198 0199	0181 0182 0183 0183 0184	£169 £169 £170 £170	
4.05 4.06 4.07 4.08 4.09	0212 0214 0215 0217 0217	0214 0215 0216 0217 0218	0202 0202 0203 0203	0184 0185 0185 0185	2171 2171 2171 2171 2171 2172	
410 411 412 413 414	Q 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0219 0220 0221 0221 0222	0202 0203 0203 0203	0186 0186 0186 0186 0186	0172 0172 0172 0172 0172	
415 416 417 418 419	0227 0228 0229 0230 0230	0223 0223 0224 0224 0324	.0204 .0204 .0204 .0204	0186 0186 0186 0185 0185	0171 0171 0171 0171 0171	
420 421 422 423 424	0233 0233 0233 0233	.0 2 2 4 .0 2 2 5 .0 2 2 5 .0 2 2 5 .0 2 2 5	0203 0203 0203 0203	0185 0185 0184 0184	0170 0170 0169 0169 0168	
425 426 427 428 429	0234 0234 0234 0234 0235	0225 0225 0224 0224 0224	0202 0201 0201 0200 0200	Q183 Q182 Q182 Q181 Q180	0168 0167 0167 0166 0165	
430 431 432 433 434	Q235 Q235 Q235 Q234 Q234	0224 0223 0223 0222 0222	0199 0198 0198 0197 0196	0180 0179 0178 0177 0177	0165 0164 0163 0162 0162	
435 436 437 438 439	0234 0234 0233 0233 0232	0221 0220 0220 0219 0218	0195 0195 0194 0193 0192	0176 0175 0174 0173 0172	0161 0160 0159 0158 0157	
4.40 4.41 4.42 4.43 4.44	0233 0231 0230 0230	0217 0216 0215 0214 0213	0191 0190 0189 0188 0186	0171 0170 0169 0168 0167	0156 0155 0154 0153 0152	
4.45 4.46 4.47 4.48 4.49	0228 0228 0227 0226 0225	.0212 .0211 .0210 .0209 .0208	0185 0184 0183 0162 0180	0166 0164 0163 0162 0161	0151 0150 0149 0148 0146	
4.50	.0224	£207	0179	£160	D145	
	~~~	D207	0179	£160	.0145	

 $W_2(x,r)$ 

	W <sub>2</sub> (x,r)					
X	1	1,1	1.25	1.5	2.0	
4.50	0144	0173	.0202	0225	0236	
4.51	0147	0176	.0204	0226	0236	
4.52	0151	0179	.0205	0227	0235	
4.53	0154	0181	.0207	0227	0235	
4.54	0157	0184	.0208	0228	0234	
4.55 4.56 4.57 4.58 4.59	.0160 .0163 .0166 .0169	0186 0188 0190 0192 0194	.0210 .0211 .0212 .0213 .0215	8880. 8880. 9880. 9880. 9880.	.0234 .0233 .0233 .0232 .0232	
4.60	0175	0196	0216	0389	0220	
4.61	0177	0198	0216	0889	0229	
4.63	0180	0200	0217	0889	0229	
4.63	0182	0201	0218	0889	0229	
4.64	0185	0203	0219	0889	7220	
4.55 4.56 4.57 4.58 4.59	.0187 .0189 .01991 .0193 .0195	0204 0206 0207 0208 0210	0220 0220 0221 0221 0221	0288 0288 0288 0288 0288 0387	.0226 .0224 .0223 .0222 .0221	
4.70 4.71 4.72 4.73 4.74	.0197 .0198 .0200 .0202 .0203	0211 0212 0213 0213 0214	2880 8880 8880 8880 8880	2225 2225 2225 2224	.0220 .0218 .0217 .0216 .0214	
475 476 477 478 479	.0205 .0206 .0207 .0208 .0209	0215 0216 0216 0217 0217	2886 2886 2886 2886 8886 8886	0224 0223 0222 0221 0220	0213 0211 0210 0208 0207	
4.80	0210	0218	0221	0219	0205	
4.81	0211	0218	0221	0218	0204	
4.83	0213	0218	0221	0217	0202	
4.83	0213	0218	0220	0216	0200	
4.84	0214	0218	0220	0215	0199	
4.85	.0 2 1 4	0219	0219	0214	0197	
4.86	.0 2 1 5	0219	0219	0213	0195	
4.87	.0 2 1 6	0219	0218	0211	0193	
4.88	.0 2 1 6	0218	0217	0210	0192	
4.89	.0 2 1 6	0218	0217	0209	0190	
490	0317	0218	0216	.0207	.0188	
491	0317	0218	0215	.0206	.0186	
498	0317	0217	0214	.0204	.0184	
493	0217	0217	0213	.0203	.0188	
494	0217	0217	0218	.0202	.0180	
4.95	0217	0216	D211	\$200	0178	
4.96	0217	0216	D210	\$198	0176	
4.97	0217	0215	D209	\$197	0175	
4.98	0217	0214	D208	\$195	0173	
4.99	0217	0214	D207	\$194	0171	
500 502 503 504	0217 0216 0216 0216 0215	0213 0211 0210 0210	.0205 .0204 .0203 .0202 .0200	0192 0190 0189 0187 0185	.0169 .0167 .0165 .0162 .0160	
505	0215	0209	0199	0183	.0158	
506	0214	0208	0198	0182	.0156	
507	0213	0207	0196	0180	.0154	
508	0213	0206	0195	0178	.0153	
509	0213	0204	0195	0176	.0150	
510	.0211	0203	0192	0174	D148	
511	.0210	0202	0190	0172	D146	
512	.0210	0201	0189	0171	D144	
513	.0209	0200	0187	0169	D142	
514	.0208	0198	0185	0167	D140	
515	.0207	0197	.0184	0165	0137	
516	.0206	0196	.0182	0163	0135	
517	.0205	0194	.0180	0161	0133	
518	.0204	0193	.0179	0159	0131	
519	.0203	0192	.0177	0157	0129	
520	0201	D190	0175	0155	0127	
521	0200	D189	0173	0153	0125	
522	0199	D187	0172	0151	0123	
523	0198	D186	0170	0149	0121	
524	0196	D184	0168	0147	0118	
5.25	.0195	.0182	.0166	.0145	£116	
		لــــــــــــــــــــــــــــــــــــ				

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W <sub>2</sub>	1	v	r
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- F	7.		W <sub>2</sub> (x, r)		T 100
4.50	3.0	4.0	6.0	8.0	0.0
	.0224	.0207	D179	.01.60	0145
450 451 452 453 454	0233 0222 0220 0219	D207 D205 D204 D203 D201	0179 0178 0176 0175 0174	0158 0157 0156 0154	D145 D144 D143 D141 D140
4.55 4.56 4.57 4.58 4.59	0218 0217 0215 0214 0213	£200 £199 £197 £196 £194	0172 0171 0169 0168 0166	0153 0152 0150 0149 0147	0139 0138 0136 0135
4.60	0211	0193	0165	0146	0132
4.61	0210	0191	0163	0144	0131
4.62	0208	0189	0162	0143	0130
4.63	0207	0188	0160	0142	0128
4.64	0207	0186	0158	0140	0127
4.65	0204	0184	0157	0139	0125
4.66	0202	0183	0155	0137	0124
4.67	0201	0181	0154	0135	0123
4.68	0199	0179	0152	0134	0121
4.69	0197	0178	0150	0132	0120
470	.0196	.0176	£149	0131	0118
471	.0194	.0174	£0147	0129	0117
478	.0192	.0172	£145	0128	0115
473	.0190	.0170	£144	0126	0114
474	.0189	.0169	£142	0125	0112
4.75	0187	0167	0140	0123	0111
4.76	0185	0165	0138	0121	0109
4.77	0183	0163	0137	0120	0108
4.78	0181	0161	0135	0118	0106
4.79	0179	0159	0133	0117	0105
4.80 4.81 4.82 4.83 4.84	0178 0176 0174 0172 0170	0157 0156 0154 0152 0150	0131 0130 0128 0126 0124	0113 0113 0115 0115	0103 0102 0100 0099 0097
4.85	0168	D148	0122	0107	0096
4.86	0166	D146	0121	0105	0094
4.87	0164	D144	0119	0104	0093
4.88	0162	D142	0117	0102	0091
4.89	0160	D140	0115	0100	0090
490	0158	0138	0114	0099	0088
491	0156	0136	0112	0097	0087
492	0154	0134	0110	0095	0085
493	0152	0132	0108	0094	0084
494	0150	0130	0106	0092	0082
495	.0148	0128	0105	0091	0081
496	.0146	0126	0103	0089	0079
497	.0144	0124	0101	0087	0078
498	.0141	0122	0099	0086	0077
499	.0139	0120	0097	0084	0077
5.00	Q137	0118	0096	0082	D074
5.01	Q135	0116	0094	0081	D072
5.02	Q133	0114	0092	0079	D071
5.03	Q133	0112	0090	0078	D069
5.04	Q129	0110	0089	0076	D068
5.05	0127	0108	0087	D075	0066
5.06	0125	0106	0085	D073	0065
5.07	0123	0104	0083	D071	0063
5.08	0121	0102	0082	D070	0062
5.09	0119	0100	0080	D068	0061
510	0116	0098	2078	0067	0059
511	0114	0097	2077	0065	0058
512	0112	0095	2075	0064	0056
513	0110	0093	2073	0062	0055
514	0108	0091	2071	0061	0054
515 516 517 518 519	0106 0104 0102 0100 0098	0089 0085 0085 0083	0070 0068 0067 0065 0063	0059 0058 0056 0055 0053	0052 0051 0050 0048 0047
520	0096	2079	0062	0052	D0 46
521	0094	2078	0060	0051	D0 44
522	0092	2076	0058	0049	D0 43
523	0090	2074	0057	0048	D0 42
524	0088	2072	0055	0046	D0 41
5.25	.D086	.0070	D054	£ 045	.0039

W<sub>2</sub>(x,r)

			W <sub>2</sub> (x,r)		
X		1,1	1,25	1,5	2.0
5,25 5,26 5,27 5,28 5,29	.0195 .0194 .0192 .0191 .0189	.0182 .0181 .0179 .0178 .0176	0166 0164 0162 0161 0159	0145 0143 0141 0139 0137	.0116 .0114 .0112 .0110 .0108
530 531 532 533 534	0188 0186 0185 0183 0183	.0174 .0172 .0171 .0169 .0167	0157 0155 0153 0151 0149	0135 0133 0131 0129 0127	0106 0104 0102 0100 0098
535 536 537 538 539	0180 0179 0177 0175 0174	0165 0164 0162 0160 0158	.0147 .0145 .0143 .0141 .0139	0124 0132 0180 0118 0116	.0096 .0094 .0098 .0090
540 541 542 543 544	0172 0170 0168 0167 0165	.0156 .0154 .0153 .0151 .0149	.0137 .0135 .0133 .0131 .0129	.0114 .0112 .0110 .0108 .0106	.0086 .0084 .0082 .0080 .0078
5.45 5.46 5.47 5.48 5.49	0163 0161 0150 0158 0136	.0147 .0145 .0143 .0141 .0139	.0127 .0125 .0123 .0121 .0119	D104 D102 D100 D098 D096	0076 0074 0072 0070 0068
55555 55555 55555	.0154 .0152 .0150 .0148 .0147	0137 0135 0133 0131 0139	0117 0116 0114 0112 0110	0094 0092 0099 0088 0086	D066 D064 D062 D061 D059
5.5.5 5.5.6 5.5.7 5.5.8 5.5.9	Q145 Q143 Q141 Q139 Q137	0128 0126 0124 0122 0120	0108 0106 0104 0102 0100	0084 0082 0080 0078 0076	0057 0055 0053 0052 0050
5.60 5.61 5.62 5.63 5.64	0135 0133 0133 0139 0137	0118 0116 0114 0112 0110	.0098 .0096 .0094 .0092	0075 0073 0071 0069 0067	.0048 .0046 .0045 .0043 .0043
5.65 5.67 5.68 5.69	0125 0123 0121 0119 0118	0108 0106 0104 0102 0100	0088 0086 0084 0082 0080	.0065 .0063 .0062 .0060 .0058	.0040 .0038 .0036 .0035
5.70 5.71 5.72 5.73 5.74	0116 .0114 .0112 .0110 .0108	£098 £096 .0094 .0092	.0079 .0077 .0075 .0073	Q 0 5 6 Q 0 5 5 Q 0 5 3 Q 0 5 1 Q 0 4 9	.0032 .0030 .0029 .0027
5.75 5.76 5.77 5.78 5.79	0106 0104 0103 0100 0098	0089 0087 0085 0083 0081	0069 0066 0066 0064	.0048 .0046 .0044 .0043 .0041	.0024 .0023 .0021 .0020 .0018
5.80 5.81 5.82 5.83 5.84	.0096 .0094 .0092 .0090 .0089	2079 2077 2076 2074 2072	.0060 .0059 .0057 .0055	0039 0038 0036 0035 0033	0017 0016 0014 0013 0018
5.85 5.86 5.87 5.88 5.89	0087 0085 0083 0081 0079	0070 0068 0067 0065 0063	.0052 .0050 .0048 .0047	0038 0030 0089 0087 0086	.0010 .0009 .0008 .0007
590 591 592 593 594	.0077 .0076 .0074 .0073 .0070	0061 0060 0058 0056 0054	.0044 .0042 .0040 .0039	0024 0083 0081 0080 0019	0004 0003 0003 0001 0000
595 596 597 598 599	0068 .0067 .0065 .0063 .0061	.0053 .0051 .0049 .0048 .0046	.0036 .0034 .0033 .0031	0017 0016 0016 0013 0013	- 0001 - 0003 - 0004 - 0005 - 0006
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525 526 527 528 529	0086 0084 0082 0080 0078	.0070 .0068 .0067 .0065 .0063	0054 0052 0051 0049 0048	0045 0044 0042 0041 0040	0039 0038 0037 0036 0034
530 531 532 533 534	0076 0074 0073 0071 0069	0061 0060 0058 0056 0054	0046 0045 0043 0042 0040	0038 0037 0036 0034 0033	0033 0032 0031 0030 0029
535 536 537 538 539	0067 0065 0063 0061 0060	0053 0051 0049 0048 0046	0039 0037 0036 0035 0033	.0032 .0030 .0029 .0028 .0027	.0027 .0026 .0025 .0024 .0023
5.40 5.41 5.42 5.43 5.44	0058 0056 0054 0053 0051	0045 0043 0041 0040 0038	.0032 .0031 .0029 .0028 .0027	0026 0024 0023 0022 0021	0022 0021 0020 0019 0018
5.45 5.46 5.47 5.48 5.49	0049 0047 0046 0044 0042	0037 0035 0034 0032 0031	0025 0024 0023 0022 0020	0020 0019 0018 0017 0015	0017 0016 0015 0014 0013
5.50 5.52 5.53 5.54	0041 0039 0038 0036 0034	0029 0028 0026 0025 0024	D019 D018 D017 D016 D014	0014 0013 0012 0011 0010	0012 0011 0010 0009 0008
555 557 558 559	.0033 .0031 .0030 .0038 .0027	0022 0021 0020 0018	.0013 .0013 .0011 .0010 .0009	2009 2008 2007 2006 2006	2007 2006 2006 2005 2004
5.60 5.61 5.62 5.63 5.64	0025 0024 0022 0021 0020	0016 0015 0013 0012 0011	0008 0007 0006 0005 0004	0005 0004 0003 0002 0001	.0003 .0002 .0001 .0001
5.65 5.66 5.67 5.68 5.69	0018 0017 0016 0014 0013	Q010 Q008 Q007 Q006 Q005	0003 0002 0001 0000 - 0001	0000 - 0001 - 0002 - 0003	- 0001 - 0002 - 0003 - 0004
5.70 5.71 5.72 5.73 5.74	.0012 .0010 .0009 .0008	0004 0003 0002 0001 0000	0002 0003 0004 0004 0005	- 0004 - 0004 - 0005 - 0006 - 0007	- 0004 - 0005 - 0006 - 0006 - 0007
5.75 5.76 5.77 5.78 5.79	0006 .0004 .0003 .0002 .0001	- 0001 - 0003 - 0003 - 0004 - 0005	- 0006 - 0007 - 0008 - 0008 - 0009	- 0007 - 0008 - 0009 - 0010	- 0008 - 0008 - 0009 - 0009 - 0010
5.80 5.81 5.83 5.83	.0000 0001 0002 0003 0004	- 0006 - 0007 - 0008 - 0009 - 0010	- 0010 - 0011 - 0011 - 0012 - 0013	- 0011 - 0011 - 0012 - 0012 - 0013	- 0011 - 0011 - 0012 - 0012 - 0013
5.85 5.86 5.87 5.88 5.89	- 0005 - 0006 - 0007 - 0008 - 0009	- 0010 - 0011 - 0012 - 0013 - 0014	- 0013 - 0014 - 0015 - 0015 - 0016	- 0014 - 0014 - 0015 - 0015 - 0016	0013 0014 0014 0015 0015
590 591 598 593 594	- 0010 - 0011 - 0012 - 0013 - 0013	- 0014 - 0015 - 0016 - 0017 - 0017	- 0016 - 0017 - 0017 - 0018 - 0019	- 0016 - 0017 - 0017 - 0017 - 0018	0015 0016 0016 0017 0017
595 596 597 598 599	- 0014 - 0015 - 0016 - 0017 - 0017	- 0018 - 0019 - 0019 - 0020 - 0020	- 0019 - 0020 - 0020 - 0021 - 0021	- 0018 - 0019 - 0019 - 0020 - 0020	0017 0018 0018 0018 0019
6.00	0018	- 2021	- 0021	- 0080	0019

	W <sub>2</sub> (x,r)				
X	1	1,1	1,25	1,5	2.0
6.00 6.01 6.02 6.03 6.04	.0060 .0058 .0056 .0054	.0045 .0043 .0041 .0040 .0038	.0028 0027 .0025 .0024 .0022	0011 0009 0008 .0007	- 0007 - 0008 - 0009 - 0010 - 0011
6.05. 6.06 6.07 6.08 6.09	0051 _ 0050 0048 0046 0045	0037 0035 0034 0032 0031	0021 0020 0018 0017 0016	0005 0003 0002 0001 0000	- 0011 - 0012 - 0013 - 0014 - 0015
611 611 613 614	0043 0041 0040 0038 0037	0029 0028 0026 0025 0024	.0014 .0013 .0012 .0011	- 0001 - 0002 - 0003 - 0004 - 0005	- 0016 - 0017 - 0017 - 0018 - 0019
615 616 617 618 619	0035 0034 0038 0031 0029	.0022 .0021 .0020 .0018 .0017	.0008 .0007 .0006 .0005 .0004	- 0006 - 0007 - 0008 - 0009 - 0010	- 0020 - 0021 - 0022
6.20 6.21 6.22 6.23 6.24	.0028 .0027 .0025 .0024 .0022	.0016 .0014 .0013 .0012	.0003 .0001 .0001 0001	0011 0012 0013 0013	0083 0084 0024 0025 0025
625 626 627 628 629	0021 0020 0018 0017 0016	.0009 .0008 .0007 .0006 .0005	- 0003 - 0004 - 0005 - 0006 - 0007	0015 0016 0017 0017 0018	- 0026 - 0026 - 0027 - 0027 - 0028
6.30 6.31 6.32 6.33 6.34	0015 0013 0012 0011 0010	.0004 .0003 .0002 .0000	- 0008 - 0009 - 0009 - 0010 - 0011	- 0033 - 0030 - 0031 - 0031	- 0029 - 0029 - 0030 - 0030
635 636 637 638 639	.0008 .0007 .0006 .0005	- 0002 - 0003 - 0004 - 0005 - 0006	- 0012 - 0013 - 0014 - 0014 - 0015	- 0022 - 0023 - 0023 - 0024 - 0025	- 0031 - 0031 - 0032 - 0032
6.4 0 6.4 1 6.4 2 6.4 3 6.4 4	0003 0002 0001 0000 - 0001	0006 0007 0008 0009	- 0016 - 0017 - 0017 - 0018 - 0019	0025 0026 0027 0027	- 2032 - 2033 - 2033 - 2033 - 2034
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6.50 6.51 6.53 6.53 6.54	- 0007 - 0008 - 0009 - 0010 - 0011	0015 0016 0016 0017 0018	- 0023 - 0023 - 0024 - 0024 - 0025	- 2030 - 2031 - 2031 - 2031	- 0035 - 0035 - 0035 - 0035 - 0035
6.55 6.56 6.57 6.58 6.59	- 0012 - 0013 - 0013 - 0014 - 0015	- 0018 - 0019 - 0020 - 0020 - 0021	0025 0026 0026 0027 0027	- 0032 - 0032 - 0032 - 0033	- 2036 - 2036 - 2036 - 2036 - 2036
6.60 6.61 6.62 6.63 6.64	- 0015 - 0016 - 0017 - 0018 - 0018	0022 0022 0023 0023	- 0029 - 0029 - 0029 - 0029	- 0033 - 0033 - 0033 - 0034 - 0034	- 0036 - 0036 - 0036 - 0036 - 0036
6.45 6.66 6.67 6.68 6.69	- 2019 - 2020 - 2020 - 2021 - 2021	- 0024 - 0025 - 0025 - 0026 - 0026	0030 0030 0030 0031 0031	- 0034 - 0034 - 0034 - 0035 - 0035	- 0036 - 0036 - 0036 - 0036 - 0036
6.70 6.71 6.72 6.73 6.74	0022 0023 0024 0024	- 0027 - 0027 - 0028 - 0028 - 0028	- 0031 - 0032 - 0033 - 0033	- 0035 - 0035 - 0035 - 0035 - 0035	- 0036 - 0036 - 0036 - 0036 - 0036
6.75	~ 0025	0029	- 0032	0035	- 0036

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 $W_2(x,r)$ 

\$10				W <sub>2</sub> (x,r)		
Cold	X	3.0	4.0	6.0	8.0	10.0
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	6.02	- 0020	- 0053	0088	- 2021	0020
	6.03	- 0020	- 0053	0088	- 2021	0020
611         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028         - 0028 <th>6.06</th> <td>- 0022</td> <td>- 0024</td> <td>- 0024</td> <td>2800 -</td> <td>0021</td>	6.06	- 0022	- 0024	- 0024	2800 -	0021
	6.07	- 0023	- 0025	- 0024	2800 -	0021
	6.08	- 0023	- 0025	- 0024	8800 -	0021
616 - 0028 - 0028 - 0028 - 0027 - 0025 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0023 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0025 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0024 - 0025 - 0024 - 0024 - 0024 - 0025 - 0024 - 0024 - 0025 - 0024 - 0024 - 0025 - 0024 - 0024 - 0025 - 0024 - 0024 - 0025 - 0022 - 0026 - 0024 - 0024 - 0025 - 0022 - 0026 - 0024 - 0025 - 0022 - 0026 - 0024 - 0025 - 0022 - 0026 - 0022 - 0026 - 0022 - 0026 - 0022 - 0026 - 0022 - 0026 - 0022 - 0026 - 0022 - 0026 - 0022 - 002	611	- 0025	- 0026	- 0025	- 0024	- 00 5 5
	612	- 0026	- 0027	- 0026	- 0024	- 00 5 5
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621 - 0030	616 617 618	- 0038 - 0038 - 0038	- 0039 - 0039 - 0088	- 0027 - 0027 - 0027	- 0025 - 0025 - 0025	- 0023 - 0023
626 - 0.031 - 0.031 - 0.038 - 0.026 - 0.024   627 - 0.032 - 0.032 - 0.032 - 0.028 - 0.026 - 0.024   629 - 0.032 - 0.032 - 0.032 - 0.029 - 0.026 - 0.024   621 - 0.033 - 0.032 - 0.032 - 0.029 - 0.026 - 0.024   622 - 0.033 - 0.032 - 0.032 - 0.029 - 0.026 - 0.024   623 - 0.033 - 0.032 - 0.032 - 0.029 - 0.026 - 0.024   623 - 0.033 - 0.032 - 0.029 - 0.026 - 0.024   624 - 0.033 - 0.032 - 0.029 - 0.026 - 0.024   625 - 0.034 - 0.033 - 0.032 - 0.029 - 0.026 - 0.024   626 - 0.034 - 0.033 - 0.032 - 0.029 - 0.026 - 0.024   627 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   628 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   629 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   639 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   639 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   640 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   641 - 0.034 - 0.033 - 0.029 - 0.026 - 0.024   644 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   644 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   645 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   646 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   647 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   648 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   649 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   640 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   641 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   642 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   643 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   644 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   645 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   646 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   647 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   648 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   649 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   640 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   641 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   642 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   643 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   644 - 0.035 - 0.033 - 0.029 - 0.026 - 0.024   645 - 0.035 - 0.033 - 0.029 - 0.026 - 0.023   655 - 0.035 - 0.033 - 0.029 - 0.026 - 0.023   656 - 0.035 - 0.033 - 0.029 - 0.026 - 0.023   657 - 0.035 - 0.033 - 0.029 - 0.026 - 0.023   658 - 0.035	6.21	- 0030	- 0030	8 8 0 0 - 8	- 0025	0023
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6331	626 627 628	- 0031 - 0032 - 0032	- 0031 - 0031 - 0032	- 0089 - 0089 - 0089	- 0036 - 0036	0024 0024 0024
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	637	- 0034	- 0033	- 0038	- 0036	- 0024
	638	- 0034	- 0033	- 0038	- 0036	- 0024
646 647 -0035 -0033 -0029 -0026 -0024 648 -0035 -0033 -0029 -0026 -0023 648 -0035 -0033 -0029 -0026 -0023 649 -0023 -0029 -0026 -0023 651 -0035 -0033 -0029 -0026 -0023 651 -0035 -0033 -0029 -0026 -0023 652 -0035 -0033 -0029 -0026 -0023 653 -0035 -0033 -0029 -0026 -0023 655 -0035 -0033 -0029 -0026 -0023 655 -0035 -0033 -0029 -0025 -0023 655 -0035 -0033 -0029 -0025 -0023 655 -0035 -0033 -0028 -0025 -0023 655 -0035 -0032 -0028 -0025 -0022 655 -0035 -0032 -0028 -0022 655 -0035 -0032 -0028 -0022 655 -0035 -0032 -0028 -0022 -0022 655 -0035 -0032 -0028 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022 -0022	6.41	0034	- 0033	- 7088	- 7056	0024
	6.42	0035	- 0033	- 7088	- 7086	0024
	6.43	0035	- 0033	- 7088	- 7086	0024
6.51	6.46 6.47 6.48	- 0035 - 0035 - 0035	- 0033 - 0033 - 0033	- 0029 - 0029 - 0029	- 0026 - 0026	- 0024 - 0024 - 0023
Color	6.51	- 0035	- 0033	- 0089	- 0025	- 0023
	6.52	- 0035	- 0033	- 0089	- 0025	- 0023
	6.53	- 0035	- 0033	- 0089	- 0025	- 0023
621         - 0035         - 0032         - 0037         - 0024         - 0028           663         - 0035         - 0032         - 0027         - 0024         - 0022           663         - 0034         - 0032         - 0027         - 0024         - 0022           665         - 0034         - 0031         - 0027         - 0024         - 0021           666         - 0034         - 0031         - 0027         - 0023         - 0021           667         - 0034         - 0031         - 0026         - 0023         - 0021           669         - 0034         - 0031         - 0026         - 0023         - 0021           669         - 0034         - 0031         - 0026         - 0023         - 0021           670         - 0034         - 0030         - 0026         - 0023         - 0021	6.5 6 6.5 7	0035 0035 0035	- 0032 - 0032 - 0032	8 200 -   8 200 -   8 200 -	- 0025 - 0025 - 0025	- 0035 - 0035 - 0035 - 0033
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	6.6.2	0035	- 0032	- 0027	- 0024	- 7033
	6.6.3	0034	- 0032	- 0027	- 0024	- 7033
	6.66 6.67 6.68	0034 0034 0034	- 0031 - 0031 - 0031	0027 0026 0036	- 0033 - 0033	0021 0021
6.71    0033    0030    0026    0023    0020       6.72    0033    0030    0025    0022    0020       6.73    0033    0030    0025    0022    0020       6.74    0033    0030    0025    0022    0020	6.71	- 0033	- 0030	- 0026	- 0033	- 0020
	6.72	- 0033	- 0030	- 0025	- 0033	- 0020
	6.73	- 0033	- 0030	- 0025	- 0033	- 0020
6.750033002900250020	6.75	- D033	0029	- 2025	- 0032	- 0020

			W <sub>2</sub> (x,r)		
X	t	1.t	1.25	1.5	2.0
6.75 6.76 6.77 6.78 6.79	- 0025 - 0025 - 0026 - 0026 - 0027	- 0039 - 0039 - 0030	- 0033 - 0033 - 0033 - 0033	- 0035 - 0035 - 0035 - 0035 - 0035	0036 0036 0035 0035
6.80 6.81 6.82 6.83 6.84	0027 0027 0028 0028	- 0030 - 0031 - 0031 - 0032	- 0033 - 0034 - 0034 - 0034 - 0034	- 0035 - 0035 - 0035 - 0035 - 0035	- 0035 - 0035 - 0035 - 0035 - 0035
6.85 6.86 6.87 6.88 6.89	0029 0039 0030 0030	0032 0032 0032 0033	0034 0034 0034 0034	- 0035 - 0035 - 0035 - 0035 - 0035	0035 0034 0034 0034
690 691 692 693 694	0031 0031 0031 0031	0033 0033 0033 0033	- 0034 - 0034 - 0035 - 0035 - 0035	- 0035 - 0035 - 0035 - 0035 - 0035	0034 0033 0033 0033
695 696 697 698 699	0032 0032 0033	- 0033 - 0034 - 0034 - 0034 - 0034	- 0035 - 0035 - 0034 - 0034	- 0035 - 0034 - 0034 - 0034 - 0034	- 0033 - 0032 - 0032 - 0032
7.00	0033	0034	0034	0034	0031

W<sub>2</sub>(x,r)

	W <sub>2</sub> (x,r)				
X	3.0	4.0	6.0	8.0	10.0
6.75 6.76 6.77 6.78 6.79	- 0033 - 0032 - 0032 - 0032	- 0089 - 0089 - 0089 - 0089	- 0025 - 0025 - 0024 - 0024 - 0024	- Q022 - Q022 - Q021 - Q021	- 0020 - 0019 - 0019 - 0019 - 0019
6.80 6.81 6.82 6.83 6.84	- 0032 - 0031 - 0031 - 0031 - 0031	- 0028 - 0028 - 0028 - 0028 - 0027	- 0024 - 0023 - 0023 - 0023	- 0021 - 0020 - 0020 - 0020 - 0020	- 0019 - 0018 - 0018 - 0018 - 0018
6.85 6.86 6.87 6.88 6.89	- 0031 - 0030 - 0030 - 0030	- 0027 - 0027 - 0026 - 0026	- 0082 - 0088 - 0088 - 0088	- 0020 - 0019 - 0019 - 0019 - 0019	- 0018 - 0017 - 0017 - 0017 - 0017 - 0017
690 691 692 693 694	- 0058 - 0058 - 0058 - 0059	- 0086 - 0085 - 0085 - 0085	- 0021 - 0021 - 0021 - 0020	- 0018 - 0018 - 0018 - 0018 - 0017	- 2016 - 2016 - 2016 - 2016 - 2016
695 696 697 698 699	- 0028 - 0028 - 0027 - 0027 - 0027	- 0024 - 0024 - 0024 - 0024 - 0023	- 0020 - 0020 - 0019 - 0019 - 0019	- 2017 - 2017 - 2017 - 2017 - 2016	- 0015 - 0015 - 0015 - 0015 - 0014
7.00	- D026	- 2002 -	- 0019	- 0016	0014
					•

 $W_3(x, r)$ 

			W <sub>3</sub> (x, r)		···
X		1.1	1.25	1.5	2,0
00	.50000000	85594937	1,22983738	1.59897247	190034947
01	.54081636	88858591	1,25184495	1.60760918	189287188
02	.58075618	98013077	1,27283989	1.61528169	188461860
03	.61980626	95075830	1,29282427	1.62199934	187560445
04	.65795425	98040361	1,31180083	1.62777197	186584457
.05 .06 .07 .08	.69518867 .73149894 .76687529 .80130881 .83479143	1.00906265 1.03673208 1.06340935 1.08909263 1.11378084	132977296 134674469 136272068 137770618 139170704	1.63260992 1.63652397 1.63952537 1.64162581 1.64283737	1.85535433 1.84414940 1.83224568 1.81965929 1.80640656
10	86731590	113747360	1.40472969	1.64317256	1.79250404
11	89887575	116017124	1.41678111	1.64264427	1.77796842
12	98946535	118187475	1.42786884	1.64126574	1.76281660
13	95907983	120258583	1.43800093	1.63905059	1.74706560
14	98771510	122330688	1.44718596	1.63601276	1.73073259
15	1.01536783	124104070	145543301	1.63216652	1.71383486
16	1.04203545	125879108	146275161	1.62752642	169638979
17	1.06771612	127556220	146915178	1.62810734	167841487
18	1.09240870	129135888	147464400	1.61592440	165992767
19	1.11611281	130618653	147923917	1.60899299	164094582
20 22 22 24 24 24	113882871 116055738 118130045 120106022 121983960	132005115 133895928 1334491798 135593476 136601788	1.48294859 1.48578400 1.48775750 1.48888157 1.48916904	1.60132873 1.59894749 1.58386534 1.57409853 1.56366351	1.62148699 1.60156891 1.58120931 1.56048595 1.53923659
%%%%% %%%%% 5 6 7 8 9	1.23764217 1.25447207 1.27033406 1.28523349 1.29917626	137517586 138341780 139075323 139719213 140274493	148863308 148728719 148514517 148222113 147852943	1.55257690 1.54085546 1.52851609 1.51557581 1.50805177	1.51765896 1.49571077 1.47340972 1.45077342 1.43781945
30	131216883	1.40742245	147408471	148796118	1.40 456530
31	132421818	1.41123592	146890186	147332137	1.38 102838
32	133533183	1.41419697	146299601	145814972	1.35722604
33	134551779	1.41631758	145638247	144246365	1.33317547
34	135478457	1.41761009	144907680	148628066	1.30889380
35	136314114	1.41808718	1.44109473	1.4 0961825	128439801
36	137059695	1.41776186	1.43845215	1.39249395	125970494
37	137716188	1.41664743	1.42316514	1.37492528	123483132
38	138284622	1.41675750	1.41324990	1.35692978	120979371
39	138766072	1.41210595	1.40272278	1.33852495	118460850
40	1.39161649	1.40870693	139160025	131972827	115929194
41	1.39473503	1.40457485	137989886	130055717	113386009
42	1.39699821	1.39972432	136763588	128102903	110832881
43	1.39844885	1.39417021	135482626	126116118	108271381
44	1.39908772	1.38792757	134148860	124097085	105703057
45	1.39892949	138101165	132763915	122047520	1.03129438
46	1.39798675	137343788	131329484	119969131	1.00552030
47	1.39627298	136522185	129847258	117863612	97972320
48	1.39380194	135637930	128318933	115732650	95391770
49	1.39058764	134692611	126746204	113577916	92811820
50	1.38664436	133687829	125130766	111401070	90233887
51	1.38198659	132625195	123474313	1.09203757	87659363
55	1.37662905	131506329	121778535	1.06987607	85089617
55	1.37658667	130332861	120045117	1.04754235	82585990
54	1.36387457	129106428	118275743	1.02505239	79969800
5567 5555 5555	135650804 134850253 133987365 133063714 132080887	127828672 126501240 125125783 123703955 122237409	116472087 114635817 112768594 110872069 108947884	1.00242199 .97966677 .95680219 .93384348 .91080569	.77 422337 .74884867 .72358628 .69844830 .67344656
60 61 63 63	1.31040482 1.29944106 1.28793374 1.27589909 1.26335341	120727800 119176781 117586003 115957114 114291759	1.06997669 1.05023043 1.05025612 1.01006969 98968693	.88770365 .86455198 .84136508 .81815714 .79494809	.64859262 .62389777 .59937298 .57502897 .55087615
.65	125031303	112591574	96913347	.77173365	52692466
.66	123679436	110858192	94839479	.74854529	50318434
.67	123281368	109093237	93751619	.78539023	47966474
.68	120838752	107298327	90650282	.70828145	45637510
.69	119353224	105475069	88536963	.67923168	43332439
70	117826425	1.03625059	86413140	.65625337	41058128
71	116859998	1.01749885	84280270	.63335874	38797413
72	114655561	.99851120	82139792	.61055973	36569103
73	113014761	.97930326	79993184	.58786800	34367974
74	111339218	.95989053	77841661	.56529497	32194774
.7 5	1.09630558	94028834	75686779	54285176	30050224

VAL A	t		-١
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	<del></del>	<del>,</del>	W <sub>3</sub> (x, r)	<del></del>	<del></del>
X	3.0	4.0	6.0	8.0	10.0
00	197261342	189062500	1.69252937	1.53022326	140326071
01	195197678	186570865	1.66602426	1.50446856	137868403
02	193085293	184046675	1.63935068	1.47861626	135404779
03	190925799	181491444	1.61252159	1.45267778	132936222
04	188720817	178906689	1.58554997	1.42666445	130463753
05	1.86471982	1.76293929	1.55844875	1.40058760	127988384
06	1.84180933	1.73654685	1.53123081	1.37445847	125511125
07	1.81849317	1.70990478	1.50390900	1.34828826	123032975
08	1.79478788	1.68302827	1.47649611	1.32208809	120554930
09	1.77071000	1.65593249	1.44900485	1.29586901	118077975
10	174627615	1.62863258	1.42144788	126964196	115603086
11	172150292	1.60114362	1.39383774	124341782	113131231
12	169640692	1.57348066	1.36618691	121720734	110663369
13	167100476	1.54565866	1.33850775	119102119	10820(446
14	164531302	1.51769251	1.31061252	116486992	105743398
15	1.61934823	1.48959702	128311336	1.13876393	1,03293149
16	1.59312691	1.46138690	125542230	1.11271355	1,00850612
17	1.56665519	1.43307676	122775123	1.08672892	98416685
18	1.53998038	1.40468109	120011189	1.06082009	95992254
19	1.51308779	1.37621426	117251590	1.03499695	93578192
20	1.48600403	134769051	114497472	1.00926923	91175357
21	1.45874518	131912395	111749965	98364652	88784593
22	1.43132725	129052853	109010184	95813826	86406727
23	1.40376612	126191804	106279225	93275372	84042574
24	1.37607755	123330613	103558171	90750198	81692930
25	134827718	120470627	1,00848081	88239200	79358577
26	132038048	117613175	98150002	85743252	77040280
27	129240278	114759567	95464958	83263212	74738786
28	126435926	111911097	92793955	80799920	72454827
29	123626490	109069036	90137980	78354197	70189116
30	120813453	106234637	87497999	75926846	.57942350
31	117998279	103409132	84874959	73518649	.55715205
32	115182412	100593731	82269783	71130370	.63508343
33	112367276	97789625	.79683378	68762754	.61322404
34	109554277	94997979	.77116625	66416523	.59158013
35	1.06744797	92219937	.74570384	£4092384	57015773
36	1.03940198	89456621	.72045496	£1791018	54896271
37	1.01141819	86709128	.69542776	£99513090	52800073
38	98350975	83978532	.67063020	£7259242	50727727
39	95568960	81265882	.64606997	£5030095	48679761
40	92797043	78572204	62175457	52826251	46656685
41	90036469	75898497	59769126	50648290	44658989
42	97288457	73245737	57388705	48496769	48687148
43	84554202	70614872	55034874	46372226	40741598
44	81834874	68006827	52708288	44275179	36822785
A5	79131614	£5482499	50409579	48206121	36931118
A6	76445541	£2862761	48139355	40165526	35066988
A7	73777744	£0328458	45898202	38153847	33230768
A8	71129287	£57620410	43686680	36171514	31422813
A9	£8501205	£53339408	41505327	34218938	29643457
50 51 553 54	£5894508 £3310176 £0749163 £5212393 £55700764	52886219 50461583 48066211 45700789 43365977	39354656 37235157 35147297 33091517 31068238	32296506 30404586 28543524 26713645 24915254	27893013 26171779 24480030 22818024 21185999
55 56 57 59	53215144 50756374 4832264 45922599 43549133	41062406 38790681 36551379 34345054 38172228	29077854 27120738 25197239 23307683 21452371	23148633 21414045 19711733 18041916 16404798	19584175 18018752 16471913 14961820 13482620
50	.41205592	30033400	19631586	14800558	12034440
51	.38892673	27929042	17845582	13229359	10617388
52	.36611044	25859598	16094596	11691341	09231557
53	.34361346	23825488	14378840	10186626	07877020
54	.32144190	21827102	12698503	08715317	06553834
55	29960160	19864809	11053756	.07277497	.05862039
56	27809810	17938948	09444743	.05073231	.04001656
57	25693666	16049835	07871590	.04502565	.02772692
58	23612227	14197760	06334402	.03165526	.01575137
59	21565963	12382986	04833262	.01862124	.00408963
70	19555317	10605753	.03368232	.00592349	- 00725871
71	17580703	08866276	.01939354	00643822	- 01829426
72	15643510	07164745	.00546650	01846436	- 02901773
73	13741097	05501326	00809876	03015552	- 03943003
74	11876797	03876162	02130244	04151247	- 04953218
.75	10049916	.02289371	- 03414489	- 05853614	05932537
		<b></b>	<u> </u>	L	' <del></del>

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T T		I.I	1,25	1.5	2.0
.75	1.09630552	94028834	75686779	.54285176	30050224
.76	107890374	92051188	73529831	52054923	27935011
.77	106120288	90057620	71372147	49839796	25849797
.78	104321890	88049615	69215034	47640825	23795210
.79	102496764	86028645	67059777	45459012	21771852
.80	1.00646484	83996162	£4907636	43295330	19780296
.81	98772613	81953599	£2759846	41150726	17821085
.82	96876701	79903371	£0617618	39026115	15894732
.83	94960265	77843874	£58482138	36922387	14001784
.84	93024887	75779483	£56354567	34640400	18142518
25	91078016	.73710552	54236041	32780987	10317543
26	89103164	.71638414	52127668	30744949	.08527199
27	87119806	.69564381	50030531	28733061	.06771860
28	85123404	.67489743	47945688	26746067	.05051872
29	83115397	.65415765	45874168	24784683	.03367552
90 91 93 93	81097210 .79070248 .77035895 .74995517 .72950459	.63343693 .61274745 .59210119 .57150988	43816975 41775085 39749448 37740985 35750592	22849598 20941472 19060934 17208588 15385007	01719193 00107059 - 01468612 - 03007608 - 04509743
967 999 99	70902045 .68851577 .66800335 .64749579 .62700543	53053774 51017914 48991989 46977048 44974112	33779136 31827456 29896366 27986650 26099066	13590739 11826302 10092187 08388856 06716745	05974855 07408809 08793494 - 10146823 - 11462734
1.00	.60654439	.42984177	24234343	.05076264	- 12741187
1.01	.58612456	.41008212	28393185	.03467794	- 13988166
1.02	.56575758	.39047161	20576264	.01891691	- 15185679
1.03	.54545486	.37101939	18784231	.00348282	- 16351755
1.04	.52522756	.35173438	17017703	01162128	- 17480445
105	50508659	33862520	15277276	- D2639265	- 18571822
106	48504261	.31370024	13563513	- D4082877	- 19625980
107	46510602	.29496758	11876955	- D5492737	- 20643034
108	44528698	.27643507	10218114	- D6868645	- 21623119
109	42559539	.25811026	08587474	- D8210425	- 22566390
110	40604087	24000047	.06985496	- 09517924	- 23473081
111	38663280	28211871	.05412611	- 10791015	- 24343205
118	36738031	20445375	.03869226	- 12089592	- 25177154
113	34829222	18703008	.02355723	- 13233575	- 25975098
114	32937715	16984794	.00872455	- 14402906	- 26737888
115	31064339	15291329	00580245	- 15537548	- 27463972
116	29209903	13623182	02002077	- 16637488	- 28155449
117	27375183	11980898	03392758	- 17702734	- 28812008
118	25560934	10364994	04752035	- 18733314	- 29433963
119	23767880	.08775961	06079676	- 19729280	- 30021640
1.20	21996722	.07214265	07375474	- 20690701	- 30575384
1.21	202481	.056803	086392	- 216177	- 310955
1.22	185228	.041746	098708	- 225103	- 315825
1.23	168212	.026975	110701	- 233687	- 320366
1.24	151441	.012493	128369	- 241930	- 324583
125	134920	- 001697	- 133712	- 249835	- 328480
126	118654	- 015590	- 144729	- 257403	- 338330
127	102649	- 029184	- 155420	- 264634	- 335330
128	086909	- 042477	- 165784	- 271534	- 338292
129	071439	- 055466	- 175821	- 278102	- 340951
130	056344	068149	- 185532	- 284343	- 343312
131	041327	080523	- 194916	- 290258	- 345383
132	086693	092588	- 203975	- 295851	- 347385
133	012345	104342	- 212709	- 301124	- 3478655
134	- 001714	115783	- 221118	- 306080	- 349871
135	- 015480	- 186910	- 229205	- 310724	- 350814
136	- 0289750	- 137723	- 236970	- 315057	- 351489
137	- 042123	- 148821	- 244415	- 319085	- 351900
138	- 054995	- 158403	- 251542	- 328809	- 352053
139	- 067564	- 168270	- 258351	- 326235	- 351953
1.40	- 079828	- 177821	- 264847	- 329365	- 351606
1.41	- 091786	- 187056	- 271039	- 332204	- 351017
1.42	- 103435	- 195976	- 276902	- 334757	- 350192
1.43	- 114776	- 204582	- 282466	- 337026	- 349135
1.44	- 125806	- 212873	- 287726	- 339018	- 347853
145	- 136525	- 280852	- 292683	- 340735	- 346350
146	- 146932	- 288520	- 297340	- 342188	- 344634
147	- 157027	- 235876	- 301701	- 343364	- 342709
148	- 166809	- 242924	- 305768	- 344286	- 340580
149	- 176279	- 249665	- 309545	- 344951	- 338254
1.50	- 185437	- 256100	- 313036	- 345367	- 335737

W3(x, r)

X	3.0	4.0	6.0	8.0	10.0
75	10049916	02289371	- 03414489	- 05353614	- 05932537
76	08260735	00741048	- 04662666	- 06322764	- 06881092
77	06509508	- 00768733	- 05874850	- 07358822	- 07799030
78	04796460	- 02239925	- 07051133	- 08361929	- 08686512
79	03121795	- 03672500	- 08191624	- 09332241	- 09543709
.80	01485689	- £5066452	- 09296451	- 10269930	- 10370810
.81	- 00111706	- £6421797	- 10365758	- 11175180	- 11168014
.82	- 01670265	- £7738574	- 11399708	- 12048192	- 11935532
.83	- 03189886	- £9016840	- 12398477	- 12889179	- 12673588
.84	- 04670490	- £0256675	- 13362260	- 13698369	- 13382418
.95	- £6112023	- 11458178	- 14291266	- 14476001	- 14062269
.96	- £07514454	- 12621467	- 15185721	- 15222328	- 14713400
.87	- £6877776	- 13746682	- 16045864	- 15937617	- 15336079
.98	- £02002	- 14833978	- 16871949	- 16622144	- 15930586
.89	- £1487170	- 15883533	- 17664246	- 17276199	- 16497212
90 91 93 94	- 12733339 - 13940589 - 15109021 - 16238757 - 17329939	- 16895539 - 17870209 - 18807771 - 19708471 - 20572572	- 18423037 - 19148618 - 19841297 - 20501396 - 21129249	- 17900083 - 18494107 - 19058594 - 19593876 - 20100296	- 17036255 - 17548025 - 18032841 - 18491029 - 18922925
95	- 18382729	- 21400351	- 21725201	- 20578205	- 19328873
96	- 19397308	- 22192101	- 22289609	- 21027966	- 19709224
97	- 20373875	- 22948133	- 2282841	- 21449948	- 20064339
98	- 21312649	- 23668769	- 23325274	- 21844531	- 20394582
99	- 22213866	- 24354347	- 23797299	- 22212100	- 20700328
100	- 23077780	- 25005219	- 24239314	- 22553051	- 20981956
101	- 23904662	- 25621750	- 24651725	- 22867785	- 21239852
102	- 24694798	- 26204317	- 25034952	- 23156711	- 21474407
103	- 25448494	- 26753310	- 25389417	- 23420245	- 21686020
104	- 26166068	- 27269132	- 25715557	- 23658809	- 21875092
1.05	- 26847853	- 27752197	- 26013811	- 23872831	- 22042031
1.06	- 27494200	- 28202930	- 26284630	- 24062744	- 22187248
1.07	- 28105472	- 28621765	- 26528469	- 24228987	- 22311160
1.08	- 28682046	- 29009149	- 26745790	- 24372004	- 22414187
1.09	- 29224312	- 29365538	- 26937063	- 24492244	- 22496753
110	- 29732674	- 29691395	- 27103763	- 24590158	- 22559285
111	- 30207548	- 29987196	- 27243368	- 24666204	- 23602212
112	- 30649360	- 30253422	- 27359366	- 24720841	- 22625968
113	- 31058550	- 30490563	- 27451246	- 24754532	- 22630988
114	- 31435569	- 30699117	- 27519503	- 24767745	- 22617709
115	- J1780875	- J0879589	- 27564635	- 24760947	- 22586569
116	- J2094941	- J1032490	- 27587144	- 24734609	- 22538011
117	- J237846	- J1158339	- 27587535	- 24689205	- 22472475
118	- J2631278	- J1257659	- 27566317	- 24685210	- 22390405
119	- J2654537	- J1330979	- 27524001	- 24543098	- 22292243
120	- 33048527	- 31378834	- 27461099	- 24443348	- 22178435
121	- 338138	- 314018	- 273781	- 243264	- 220494
122	- 333508	- 314003	- 272756	- 241928	- 219057
123	- 334601	- 313750	- 271540	- 240430	- 217476
124	- 335422	- 313264	- 270140	- 238775	- 215756
125	- 335977	- 312551	- 268559	- 236967	- 213902
126	- 336271	- 311616	- 266803	- 235012	- 211918
127	- 336310	- 310465	- 264878	- 232914	- 209809
128	- 336099	- 309104	- 262788	- 230677	- 207579
129	- 335643	- 307537	- 260540	- 228307	- 205232
130	- 334949	- 305771	- 258137	- 225808	- 202772
131	- 334023	- 303811	- 255585	- 223185	- 200205
132	- 332869	- 301663	- 252889	- 220443	- 197533
133	- 331493	- 299333	- 250055	- 217586	- 194762
134	- 329902	- 296826	- 247087	- 214619	- 191896
135	- 328101	- 294148	- 243991	- 211546	- 188939
136	- 326095	- 291304	- 240772	- 208372	- 185895
137	- 323892	- 288301	- 237434	- 205102	- 182768
138	- 321495	- 285143	- 233982	- 201740	- 179562
139	- 318912	- 281836	- 230423	- 198291	- 176282
140	- 316147	- 278386	- 226759	- 194759	- 172932
141	- 313208	- 274798	- 222998	- 191147	- 169514
142	- 310099	- 271078	- 219142	- 187462	- 166035
143	- 306826	- 267232	- 215197	- 183706	- 162496
144	- 303395	- 263264	- 211169	- 179885	- 158903
1.45	- 299813	- 259180	- 207060	- 176002	- 155258
1.46	- 296083	- 254986	- 202877	- 172061	- 151566
1.47	- 292213	- 25686	- 198624	- 168067	- 147831
1.48	- 288208	- 246286	- 194305	- 164024	- 144056
1.49	- 284073	- 241792	- 189924	- 159935	- 140244
1.50	- 279815	- 237209	- 185488	- 155806	- 136400

	w₃(x, r)				
X	<u> </u>	1.1	1.25	1.5	2.0
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1.51	- 1943	- 2622	- 3162	- 3455	- 3330
1.52	- 2028	- 2681	- 3192	- 3455	- 3302
1.53	- 2110	- 2736	- 3218	- 3452	- 3871
1.54	- 2190	- 2788	- 3242	- 3446	- 3839
1.55 1.56 1.57 1.58 1.59	- 2266 - 2339 - 2475 - 2539	- 2838 - 2884 - 2928 - 2969 - 3006	- 3263 - 3282 - 3298 - 3311 - 3322	- 3439 - 3429 - 3417 - 3402 - 3386	- 3205 - 3169 - 3132 - 3094 - 3054
1.60 1.61 1.63 1.63	- 2600 - 2658 - 2713 - 2765 - 2814	- 3042 - 3074 - 3104 - 3131 - 3155	- 333'0 - 3336 - 3339 - 3341 - 3339	- 3368 - 3348 - 3386 - 3308 - 3276	- 3013 - 2970 - 2926 - 2881 - 2835
1.55	- 2860	- 3176	- 3336	- 3249	- 2788
1.66	- 2903	- 3196	- 3330	- 3380	- 2740
1.67	- 2944	- 3212	- 3323	- 3189	- 2691
1.68	- 2981	- 3226	- 3313	- 3157	- 2641
1.69	- 3016	- 3238	- 3301	- 3183	- 2590
1.70	- 3048	- 3247	- 3287	- 3088	- 2538
1.71	- 3078	- 3254	- 3271	- 3051	- 2485
1.72	- 3105	- 3258	- 3254	- 3013	- 2432
1.73	- 3129	- 3260	- 3234	- 2973	- 2378
1.74	- 3150	- 3260	- 3213	- 2933	- 2324
1.75	- 3169	- 3258	- 3190	- 2891	- 2269
1.76	- 3186	- 3253	- 3165	- 2848	- 2213
1.77	- 3200	- 3247	- 3138	- 2804	- 2157
1.78	- 3211	- 3238	- 3110	- 2758	- 2101
1.79	- 3221	- 3288	- 3080	- 2712	- 2044
1.80	- 3232	- 3815	- 3049	- 2665	- 1987
1.81	- 3232	- 3201	- 3017	- 2617	- 1929
1.82	- 3834	- 3184	- 2983	- 2568	- 1872
1.83	- 3234	- 3166	- 2947	- 2518	- 1814
1.84	- 3232	- 3146	- 2911	- 2468	- 1756
1.85	- 3228	- 3184	- 2873	- 2417	- 1698
1.86	- 3221	- 3101	- 2834	- 2365	- 1640
1.87	- 3213	- 3076	- 2793	- 2313	- 1582
1.88	- 3202	- 3049	- 2752	- 2260	- 1523
1.89	- 3190	- 3021	- 2709	- 2206	- 1465
190	- 3176	- 2991	- 2666	- 2152	- 1407
191	- 3159	- 2960	- 2622	- 2098	- 1350
192	- 3141	- 2928	- 2576	- 2043	- 1892
193	- 3122	- 2894	- 2530	- 1988	- 1234
194	- 3100	- 2859	- 2483	- 1933	- 1177
195	- 3077	- 2823	- 2436	- 1877	- 1120
196	- 3052	- 2785	- 2387	- 1821	- 1064
197	- 3026	- 2747	- 2338	- 1765	- 1007
198	- 2998	- 2707	- 2268	- 1709	- 0951
199	- 2969	- 2666	- 2258	- 1653	- 0896
2.00	- 2938	- 2624	- 2187	- 1597	- D841
2.01	- 2906	- 2582	- 2136	- 1541	- D786
2.02	- 2873	- 2538	- 2084	- 1484	- D732
2.03	- 2838	- 2493	- 2032	- 1428	- D678
2.04	- 2802	- 2448	- 1979	- 1372	- D625
2.05 2.06 2.07 2.08 8.09	2765 2727 2687 2647 2605	- 2402 - 2355 - 2360 - 2211	- 1926 - 1873 - 1880 - 1766 - 1713	- 1316 - 1261 - 1805 - 1150 - 1095	0573 0521 0469 0419 0368
210	- 2563	- 2168	- 1659	- 1040	- 0319
211	- 2520	- 2118	- 1605	- 0986	- 0270
212	- 2476	- 2068	- 1551	- 0932	- 0223
213	- 2431	- 2011	- 1497	- 0879	- 0175
214	- 2385	- 1960	- 1443	- 0825	- 0129
215 216 217 218 219	- 2339 - 2892 - 2844 - 2147	- 1909 - 1857 - 1806 - 1754 - 1701	- 1389 - 1335 - 1282 - 1228 - 1175	- 0773 - 0721 - 0669 - 0618 - 0567	- 0083 - 0038 - 0006 - 0049 - 0091
220	- 2096	- 1649	- 1188	0517	0133
221	- 2048	- 1597	- 1069	0468	0174
822	- 1998	- 1544	- 1017	0419	0214
223	- 1948	- 1492	- 0964	0370	0253
224	- 1897	- 1439	- 0913	0323	0291
2.25	- 1846	- 1387	0861	- D276	£328

W3(x, r)

r	7.0	1 40	73(4,17	1 00	10.0
X	3.0	4.0	6.0	8.0	
1.50	- 2798	- 2372	- 1854	- 1558	- 1364
1.51	- 2754	- 2325	- 1810	- 1516	- 1325
1.52	- 2709	- 2278	- 1765	- 1474	- 1325
1.53	- 2664	- 2230	- 1719	- 1432	- 1247
1.54	- 2617	- 2181	- 1673	- 1389	- 1208
1.55 1.56 1.57 1.58 1.59	- 2569 - 2520 - 2419 - 2368	- 2131 - 2081 - 2030 - 1979 - 1928	- 1626 - 1579 - 1532 - 1485 - 1437	- 1347 - 1304 - 1261 - 1217 - 1174	- 1168 - 1128 - 1089 - 1049 - 1009
1.50	- 2316	- 1876	- 1389	- 1130	- 1969
1.51	- 2264	- 1823	- 1341	- 1087	- 1929
1.52	- 2210	- 1770	- 1294	- 1044	- 1889
1.53	- 2157	- 1717	- 1246	- 1000	- 1849
1.54	- 2102	- 1664	- 1198	- 0957	- 1810
1.65 1.66 1.67 1.68 1.69	- 2047 - 1992 - 1937 - 1881 - 1825	- 1611 - 1557 - 1503 - 1450 - 1396	- 1150 - 1102 - 1054 - 1006 - 0959	- 0914 - 0871 - 0828 - 0742	0770 0731 0692 0653
1.70 1.71 1.72 1.73 1.74	- 1769 - 1712 - 1655 - 1599 - 1542	- 1342 - 1286 - 1235 - 1128	- 0911 - 0864 - 0817 - 0771 - 0724	0700 0658 0616 0575 0534	0576 0538 0500 0462 0425
1.75	- 1485	- 1075	- 0678	- 0493	- 0388
1.76	- 1428	- 1022	- 0633	- 0453	- 0352
1.77	- 1371	- 1069	- 0587	- 0413	- 0315
1.78	- 1315	- 10917	- 0543	- 0373	- 0380
1.79	- 1258	- 10864	- 0498	- 0334	- 0345
1.80	- 1202	- 0813	- 0454	- 0295	- 0210
1.81	- 1146	- 0761	- 0411	- 0257	- 0176
1.82	- 1090	- 0710	- 0367	- 0220	- 0142
1.83	- 1035	- 0660	- 0325	- 0182	- 0108
1.84	- 0979	- 0610	- 0883	- 0146	- 0076
185	0924	- 0560	- 0842	- 0110	0043
186	0870	- 0511	- 0301	- 0074	0011
187	0816	- 0463	- 0160	- 0039	.0020
188	0762	- 0415	- 0121	- 0005	.0050
189	0709	- 0367	- 0082	0029	.0081
190 191 192 193 194	- 0656 - 0604 - 0552 - 05501	- 0320 - 0274 - 0229 - 0184 - 0140	- 0043 - 0005 0032 0068	0062 0094 0126 0158 0188	0110 0139 0167 0195 0222
195 196 197 198 199	- 0400 - 0351 - 0303 - 0255 - 0207	- 0096 - 0053 - 0011 0030	0159 0173 0207 0240 0272	0218 0247 0276 0304 0331	.0249 .0274 .0300 .0324 .0348
200	- 0161	0110	0303	0358	0371
201	- 0115	0149	0334	0383	0394
202	- 0070	0187	0364	0408	0416
203	- 0026	0285	0393	0433	0437
204	- 0018	0261	0481	0457	0458
2.05	0060	0297	0449	0480	0478
2.06	0102	0332	0475	0502	0497
2.07	0143	0366	0501	0523	0516
2.08	0244	0399	0527	0544	0534
2.09	0223	0432	0551	0564	0551
210	0261	0463	0575	0584	0568
211	0299	0494	0598	0602	0584
212	0336	0523	0620	0620	0599
213	0372	0552	0641	0637	0614
213	0407	0580	0661	0654	0628
215	0441	0607	0681	.0670	D642
216	0474	0634	0700	.0685	D654
217	0506	0639	0718	.0699	D666
218	0538	0683	0735	.0713	D678
219	0568	0707	0752	.0725	D689
220	0598	0730	0767	D738	0699
221	0626	0751	0782	D749	0708
222	0654	0772	0796	D760	0717
323	0681	0792	0810	D770	0725
324	0706	0812	0822	D780	0733
2.25	.0731	£830	.0834	.0789	.D740
		·	· ·	<del></del>	

W<sub>2</sub> (x, r)

	•		$W_3(x, r)$		
X		1.1	1.25	1.5	2.0
2.25	- 1846	- 1387	- 0861	- 0276	.0328
2.26	- 1794	- 1334	- 0810	- 0230	.0364
2.27	- 1743	- 1282	- 0760	- 0184	.0400
2.28	- 1691	- 1830	- 0709	- 0140	.0434
2.29	- 1639	- 1178	- 0660	- 0096	.0468
230	- 1587	- 1136	- 0610	- 0053	0500
231	- 1535	- 1074	- 0562	- 0010	0532
232	- 1483	- 1023	- 0514	0038	0563
233	- 1431	- 0972	- 0466	0072	0593
234	- 1379	- 0923	- 0419	0118	0688
235 236 237 238 239	- 1327 - 1275 - 1223 - 1172 - 1120	0871 0821 0723 0723	- 0373 - 0327 - 0282 - 0238 - 0194	0152 0190 0228 0264 0300	0650 0677 0703 0728 0752
2.40 2.41 2.42 2.43 2.44	- 1069 - 1018 0968 0918 0868	0626 0578 0531 0485 0439	- 0151 - 0109 - 0067 - 0026	.0335 .0369 .0402 .0435 .0466	0775 0798 0819 0840 0859
2.45	- 0818	0393	.0053	2497	.0878
2.46	- 0769	0348	.0092	2586	.0895
2.47	- 0781	0304	.0129	2555	.0912
2.48	- 0678	0861	.0166	2583	.0928
2.49	- 0685	0818	.0803	2610	.0943
255 255 255 255 255 255 265 265 265 265	- 0577 - 0531 - 0484 - 0439 - 0394	- 0175 - 0134 - 0093 - 0053 - 0013	0238 0272 0306 0339 0371	0636 0661 0685 0709 0731	0957 .0971 .0983 .0995 .1005
255	- 0349	.0025	0402	0753	1015
255	- 0305	.0063	0433	0774	1084
257	- 0262	.0101	0462	0793	1032
258	- 0219	.0137	0491	0812	1039
259	- 0177	.0173	0519	0830	1046
2.60 2.62 2.63 2.64	- 0136 - 0096 - 0017 - 0022	.0208 .0242 .0275 .0307	.0545 .0571 .0597 .0681 .0644	0847 .0864 .0879 .0894 .0907	1052 1057 1061 1064 1067
2.65 2.66 2.67 2.68 2.69	.0060 .0097 .0133 .0168 .0803	.0370 .0400 .0429 .0458 .0485	0667 0689 0710 0730	A9 20 A9 32 A9 43 A9 54 A9 63	1069 1070 1070 1070 1070
2.70	.0837	.0512	.0767	A972	1068
2.71	.0870	.0538	.0785	A980	1066
2.72	.0308	.0563	.0801	A987	1063
2.73	.0333	.0567	.0817	A993	1059
2.74	.0364	.0610	.0832	A999	1055
2.75	.0394	2633	.0846	1004	1050
2.76	.0423	.0654	.0860	1008	1045
2.77	.0451	.0675	.0872	1011	1039
2.78	.0478	.0695	.0884	1014	1033
2.79	.0505	.0714	.0895	1016	1026
2.80	0531	0733	0905	1017	1018
2.81	0555	0750	0914	1018	1010
2.82	0579	07567	0923	1018	1002
2.83	0603	0763	0931	1017	0993
2.84	0625	0783	0938	1016	0983
2.85	.0647	.0812	0944	1014	0973
2.86	.0667	.0826	0950	1011	0963
2.87	.0687	.0838	0955	1008	0952
2.88	.0706	.0850	0959	1004	0941
8.89	.0724	.0861	0962	1000	0989
290	0742	0872	0965	.0995	D917
891	0758	0881	0967	.0989	.0905
892	.0774	0890	0969	.0983	.0892
293	.0789	0898	0970	.0977	.0879
894	.0804	0906	0970	.0970	.0866
295	0817	0912	0969	.0962	2858
296	0830	0918	0968	.0954	2838
297	0841	0928	0966	.0946	2824
298	0853	0928	0964	.0937	2810
299	0863	0932	0961	.0927	2795
3.00	.0872	£935	£958	£918	.0780
	<del></del>	L			

 $W_3(x, r)$ 

	$W_3(x,r)$					
X	3.0	4.0	6.0	0.8	10.0	
225	0731	Q830	2834	0789	D7 40	
226	0755	Q847	.0845	07897	D7 47	
227	0758	Q864	.08456	0804	D7 52	
238	0800	Q880	.0865	0811	D7 58	
229	0821	Q895	.0865	0817	D7 62	
230 231 232 233 234	0842 0861 0879 0897	Q9 Q9 Q9 23 4 Q9 3 4 6 Q9 5 6	0882 0890 0897 0903 0908	0823 0828 0838 0836 0839	2767 2770 2773 2776 2777	
235	0929	.0966	0913	.0841	0779	
236	0944	.0975	0917	.0843	0780	
237	0958	.0984	0920	.0845	0780	
238	0951	.0991	0923	.0845	0780	
239	0983	.0998	0925	.0846	0780	
241 242 343 244	0995 1005 1015 1024 1032	1004 1009 1014 1017 1020	9227 9227 9228 9227 9226	0845 0844 0843 0841 0839	2778 2776 2774 2772 2769	
2.45	1039	1023	0985	D836	0765	
2.46	1046	1024	0983	D833	0762	
2.47	1051	1025	0980	D829	0757	
2.48	1056	1026	0917	D824	0753	
2.49	1060	1025	0913	D820	0748	
250	1063	1024	0909	0815	0742	
251	1066	1022	0904	0809	0736	
252	1068	1020	0899	0803	0730	
253	1069	1017	0893	0797	0724	
254	1069	1014	0887	0790	0717	
2.5.5	1069	1010	0880	0783	0709	
2.5.6	1068	1005	0873	0775	0702	
2.5.7	1067	1000	0866	0767	0694	
2.5.8	1064	10994	0858	0759	0686	
2.5.9	1061	10988	0850	0750	0677	
2.60	1058	0981	.0841	0741	0669	
2.61	1054	0974	.0832	0732	0660	
2.62	1049	0966	.0822	0723	0651	
2.63	1044	0957	.0813	0723	0641	
2.64	1038	0949	.0803	0713	0631	
2.55	1031	0940	0792	0692	0621	
2.56	1024	0930	0781	0682	0611	
2.57	1017	0920	0770	0671	0601	
2.68	1009	0910	0759	0660	0590	
2.69	1000	0899	0747	0649	0580	
2.70	0991	0888	0736	0637	.0569	
2.71	0982	0876	0723	0626	.0558	
2.72	0972	0864	0711	0614	.0547	
2.73	0961	0852	0698	0602	.0535	
2.74	0951	0839	0686	0590	.0524	
2.75	0939	.0827	0673	0577	0512	
2.76	0928	.0813	0659	0565	0500	
2.77	0916	.0800	0646	0552	0489	
2.78	0904	.0786	0633	0539	0477	
2.79	0891	.0772	0619	0527	0465	
2.80	0878	0758	0605	0514	.0453	
2.81	0865	0744	0591	0501	.0441	
2.82	0851	0729	0577	0488	.0428	
2.83	0837	0715	0563	0475	.0416	
2.84	0833	0700	0549	0461	.0404	
2.85	0808	0685	0534	0448	0392	
2.86	0794	0669	0520	0435	0379	
2.87	0779	0654	0505	0421	0367	
2.88	0764	0638	0491	0408	0355	
2.89	0748	0623	0476	0395	0342	
290	0733	0607	0468	0381	0330	
291	0717	0591	0447	0368	0318	
292	0701	0575	0432	0355	0306	
293	0685	0559	0418	0341	0293	
294	0669	0543	0403	0328	0881	
295	0658	0527	0389	0315	.0269	
296	0636	0511	0374	0302	.0257	
297	0630	0495	0359	0289	.0245	
298	0603	0479	0345	0276	.0233	
299	0603	0462	0331	0263	.0221	
3.00	£570	Δ446	.0316	£250	υ309	

W<sub>3</sub>(x, r)

7			W <sub>3</sub> (X, I)		
X		1.1	1.25	1.5	2.0
3.00	0878	.0935	.0958	0918	.0780
3.01	0881	.0937	.0954	0907	.0765
3.08	0889	.0939	.0949	0897	.0749
3.03	0897	.0940	.0944	0886	.0734
3.04	0903	.0941	.0939	0874	.0718
3.05	0909	0941	0938	.0863	0702
3.06	0914	0940	0926	.0851	0686
3.07	0919	0939	0919	.0838	0670
3.08	0923	0937	0911	.0836	0653
3.09	0926	0935	0903	.0813	0637
310 311 312 313 314	0930 0930 0932 0932	0938 0928 0924 0919 0914	0895 0886 0877 0867 0857	0799 0786 .0772 .0758 .0744	0620 0604 0587 0570 0554
315 316 317 318 319	0930 0930 0930 0933	0888 0888 0888 0903 0909	.0847 .0836 .0825 .0814 .0802	.0730 .0715 .0700 .0685 .0670	0537 0520 0503 0486 0469
320	0920	0874	0790	0655	.0452
321	0916	.0866	0778	0639	.0436
322	0911	.0857	0765	0624	.0419
323	0906	.0848	0753	0608	.0402
324	0901	.0838	0740	0593	.0385
325	.0895	.0828	.0726	0577	0369
326	.0888	.0818	.0713	0561	0358
327	.0881	.0808	.0699	0545	0336
328	.0874	.0797	.0685	0539	0319
329	.0866	.0786	.0671	0513	0303
330 331 332 333 333	.0858 .0850 .0841 .0831	0774 0763 0751 0738 0726	0657 0643 0628 0613 0599	0497 0481 0465 0449 0433	0287 0271 0255 0239 0234
335	.0812	0713	A584	2417	0808
336	.0801	0700	A569	2401	0193
337	.0779	0687	.0554	.0385	0178
338	.0779	0674	A539	2369	0163
339	.0768	0660	A524	2353	0148
340	0756	0646	0508	0337	0134
341	0745	0633	0493	0331	0119
342	0733	0619	0478	0306	0105
343	0733	0604	0468	0390	0091
344	0730	0590	0447	0275	0077
3.45	.0 6 9 5	0576	0438	0260	0064
3.46	.0 6 8 8	.0561	0416	0245	0051
3.47	.0 6 5 9	.0547	0401	0230	0037
3.48	.0 6 5 5	.0532	0386	0215	0035
3.49	.0 6 4 2	.0518	0371	0200	0012
3.50	.0628	.0503	D356	D186	- 0001
3.51	.0614	.0488	D340	D171	- 0013
3.58	.0600	.0473	D325	D157	- 0025
3.53	.0586	.0458	D311	D143	- 0036
3.54	.0572	.0443	D296	D129	- 0048
3.55	0557	0429	0881	2115	- 0059
3.56	0543	0414	0866	2102	- 0070
3.57	0528	0399	0858	2088	- 0081
3.58	0514	0384	0837	2075	- 0091
3.59	0499	0369	0833	2062	- 0101
3.60 3.61 3.63 3.63 3.64	0485 0470 0455 0440 0426	0354 0340 0325 0311 0296	.0209 .0195 .0181 .0167 .0153	.0050 .0037 .0025 .0013	- 0111 - 0121 - 0130 - 0139 - 0148
3.65 3.66 3.67 3.68 3.69	0411 0396 0382 0367 0352	0282 0267 0253 0239 0235	0140 0127 0113 0100	- 0011 - 0022 - 0033 - 0044 - 0055	0157 0165 0173 0181 0189
3.70	.0338	0211	0075	0065	- 0196
3.71	.0333	0197	0063	0076	- 0203
3.72	.0309	0184	0051	0086	- 0210
3.73	.0294	0170	0039	0095	- 0216
3.74	.0280	0157	0027	0105	- 0222
3.75	.0 2 6 6	.0144	.0015	- 0114	8880

	W <sub>3</sub> (x, <u>r</u> )				
×	3.0	4.0	6.0	8.0	10.0
3.00	.0570	0446	0316	0250	0809
3.01	.05536	0430	0302	0237	0198
3.02	.0536	0414	0288	0224	0186
3.03	.0519	0398	0273	0211	0175
3.04	.0508	0382	0259	0199	0163
3.05	.0485	0366	0245	0186	0152
3.06	.0469	0350	0232	0174	0141
3.07	.0452	0354	0218	0162	0130
3.08	.0435	0318	0204	0150	0119
3.09	.0435	0303	0191	0138	0108
310	0401	0287	0177	0126	0097
311	0385	0272	0164	0114	0087
312	0368	0257	0151	0103	0076
313	0352	0241	0138	0092	0066
314	0352	0226	0125	0080	0056
315	0319	0211	0113	0069	0046
316	0303	0197	0100	0058	0036
317	0287	0182	0088	0048	0027
318	0271	0168	0076	0037	0017
319	0255	0153	0064	0027	0008
3.20	.0239	0139	0052	0017	- 0001
3.21	.0223	0125	0041	0007	- 0010
3.22	.0208	0111	0029	- 0003	- 0019
3.23	.0193	0098	0018	- 0013	- 0027
3.24	.0178	0085	0007	- 0022	- 0036
3.25	0163	0071	0004	- 0032	0044
3.26	0148	0058	0014	- 0041	0052
3.27	0134	0046	0025	- 0050	0060
3.28	0119	0033	0035	- 0058	0068
3.29	0105	0021	0045	- 0067	0075
3.30	0091	.0009	- 0054	- 0075	- 0082
3.31	0077	0003	- 0064	- 0083	- 0089
3.32	0064	0015	- 0073	- 0091	- 0096
3.33	0060	0026	- 0082	- 0098	- 0103
3.34	0037	0037	- 0091	- 0106	- 0110
335	0024	- 0048	- 0099	- 0113	- 0116
336	0012	- 0059	- 0108	- 0130	- 0122
337	- 0001	- 0070	- 0116	- 0127	- 0128
338	- 0013	- 0080	- 0124	- 0134	- 0134
339	- 0025	- 0090	- 0131	- 0140	- 0139
3.40	- 2036	- 0099	- 0139	- 0146	- 0145
3.41	- 2048	- 0109	- 0146	- 0152	- 0150
3.42	- 2059	- 0118	- 0153	- 0158	- 0155
3.43	- 2070	- 0127	- 0160	- 0163	- 0160
3.44	- 2081	- 0136	- 0166	- 0169	- 0164
3.45	- 0091	- 0144	- 0173	- 0174	- 0169
3.46	- 0101	- 0152	- 0179	- 0179	- 0173
3.47	- 0111	- 0160	- 0185	- 0183	- 0177
3.48	- 0131	- 0168	- 0190	- 0188	- 0181
3.49	- 0130	- 0176	- 0195	- 0192	- 0184
3.50	- 0139	- 0183	- 0201	- 0196	- 0188
3.51	- 0148	- 0190	- 0206	- 0200	- 0191
3.52	- 0157	- 0196	- 0210	- 0204	- 0194
3.53	- 0165	- 0203	- 0215	- 0207	- 0197
3.54	- 0173	- 0209	- 0219	- 0211	- 0200
3.55	- 0181	- 0215	- 0223	- 0214	- 0202
3.56	- 0189	- 0221	- 0227	- 0216	- 0204
3.57	- 0196	- 0226	- 0230	- 0219	- 0207
3.58	- 0203	- 0231	- 0234	- 0222	- 0209
3.59	- 0210	- 0236	- 0237	- 0224	- 0210
3.60 3.61 3.63 3.63 3.64	- 0216 - 0222 - 0234 - 0239	- 0241 - 0245 - 0249 - 0253 - 0257	- 0240 - 0242 - 0245 - 0247 - 0249	- 0226 - 0238 - 0231 - 0233	- 0212 - 0214 - 0215 - 0216 - 0217
3.65	- 0245	- 0261	- 0251	- 0234	- 0218
3.66	- 0249	- 0264	- 0253	- 0235	- 0219
3.67	- 0254	- 0267	- 0255	- 0236	- 0219
3.68	- 0259	- 0270	- 0256	- 0237	- 0220
3.69	- 0263	- 0272	- 0257	- 0237	- 0220
3.70 3.71 3.72 3.73 3.74	0267 0270 0274 0277 0280	- 0274 - 0277 - 0278 - 0280 - 0282	- 0258 - 0259 - 0259 - 0260 - 0260	- 0238 - 0238 - 0238 - 0237	- 0830 - 0830 - 0819 - 0819
3.75	- 0282	- 0283	- 0860	- 0237	- 0218

	W <sub>3</sub> (x, r)				
X	1	1,1	1.25	1.5	2.0
3.75	.0266	£144	.0015	- 0114	0228
3.76	.0252	£131	.0004	- 0123	0234
3.77	.0238	£118	0007	- 0132	0239
3.78	.0224	£105	0018	- 0140	0244
3.79	.0210	£095	0089	- 0148	0849
3.80	0197	0081	- 0039	- 0156	- 0254
3.81	0183	0068	- 0050	- 0164	- 0258
3.82	0170	0057	- 0060	- 0171	- 0263
3.83	0157	0045	- 0069	- 0179	- 0266
3.84	0144	0033	- 0079	- 0186	- 0270
3.85	0131	0088	- 0088	- 0192	- 0273
3.86	0118	0011	- 0097	- 0199	- 0277
3.87	0105	0000	- 0106	- 0205	- 0280
3.88	0093	- 0011	- 0115	- 0811	- 0282
3.89	0081	- 0088	- 0183	- 0317	- 0285
390	.0069	0032	0131	0282	0287
391	.0057	0042	0139	0227	0289
392	.0045	0052	0147	0237	0291
393	.0034	0061	0154	0237	0292
394	.0032	0071	0162	0241	0294
3.95 3.96 3.97 3.98 3.99	.0011 .0001 0010 0021 0031	0080 0089 0098 0106 0115	0168 0175 0182 0188 0194	0245 0249 0257 0260	- 0295 - 0296 - 0296 - 0297 - 0297
4.00	- 0041	0183	- 0199	- 0263	- 0297
4.01	- 0051	0130	- 0805	- 0266	- 0297
4.02	- 0060	0138	- 0810	- 0268	- 0297
4.03	- 0070	0145	- 0815	- 0271	- 0296
4.04	- 0079	0152	- 0880	- 0273	- 0295
4.05	0088	0159	- 0284	0275	- 0295
4.06	0096	0166	- 0889	0276	- 0294
4.07	0105	0172	- 0833	0278	- 0892
4.08	0113	0179	- 0837	0279	- 0291
4.09	0121	0184	- 0840	0280	- 0289
410 411 412 413 414	0129 0136 0135 0151 0157	- 0190 - 0196 - 0206 - 0211	0244 0247 0250 0253 0255	- 0881 - 0882 - 0883 - 0883	0288 0286 0284 0282 0280
415 416 417 418 419	0164 0170 0176 0182 0188	- 0215 - 0219 - 0224 - 0227 - 0231	- 0257 - 0259 - 0261 - 0263 - 0264	- 0282 - 0282 - 0282	- 0277 - 0275 - 0272 - 0269 - 0866
420	- 0193	- 0235	- 0266	0879	- 0863
421	- 0199	- 0238	- 0267	0278	- 0860
428	- 0204	- 0244	- 0268	0277	- 0857
423	- 0808	- 0244	- 0268	0276	- 0853
424	- 0813	- 0246	- 0269	0274	- 0850
425 426 427 428 429	- 0221 - 0221 - 0225 - 0232	- 02553 - 02554 - 0256	- 0369 - 0369 - 0369 - 0369	- 0272 - 0270 - 0268 - 0266 - 0264	0246 0243 0239 0235 0231
430	- 0835	- 0257	- 0268	- 2261	- 0827
431	- 0838	- 0258	- 0267	- 2259	- 0823
432	- 0841	- 0259	- 0267	- 2256	- 0819
433	- 0844	- 0260	- 0265	- 2253	- 0215
434	- 0846	- 0261	- 0864	- 2251	- 0811
435 436 437 438 439	- 0848 - 0850 - 0858 - 0853 - 0855	- 0861 - 0861 - 0861 - 0861	0263 0261 0260 0258 0256	0248 0244 0241 0238 0235	- 0206 - 0202 - 0198 - 0193 - 0189
4.40	- 0256	- 0261	0254	- 0231	- 0184
4.41	- 0257	- 0260	0252	- 0228	- 0180
4.42	- 0258	- 0259	0250	- 0224	- 0175
4.43	- 0258	- 0258	0247	- 0220	- 0170
4.44	- 0259	- 0257	0245	- 0216	- 0166
4.45 4.46 4.47 4.48 4.49	- 0259 - 0259 - 0259 - 0259 - 0258	- 0256 - 02555 - 02553 - 0250	0242 0239 0237 0234 0231	0213 0209 0205 0201 0197	- 0161 - 0157 - 0152 - 0147 - 0142
4.50	- D258	0248	0226	0192	- 0138

W	٦(	x,	r)

7	3.0	4.0	43(X, I) 6.0	8.0	10.0
3.75 3.76 3.77 3.78 3.79	- 0282 - 0285 - 0287 - 0289 - 0291	- 0283 - 0284 - 0285 - 0285	- 0260 - 0260 - 0259 - 0259	- Q237 - Q236 - Q235 - Q234	- 0218 - 0218 - 0217 - 0216 - 0215
3.80 3.81 3.82 3.83 3.84	- 0292 - 0294 - 0295 - 0296 - 0296	- 0386 - 0386 - 0386 - 0386	- 0258 - 0257 - 0256 - 0255 - 0253	- 0233 - 0232 - 0239 - 0227	- 0213 - 0212 - 0211 - 0209 - 0207
3.85	- 0297	- 0284	- 0252	- 0226	- 0206
3.86	- 0297	- 0284	- 0250	- 0224	- 0204
3.87	- 0297	- 0283	- 0248	- 0222	- 0200
3.88	- 0297	- 0281	- 0247	- 0220	- 0200
3.89	- 0297	- 0280	- 0245	- 0218	- 0198
3.90	- 0296	- 0279	- 0243	- 0216	- 0196
3.91	- 0296	- 0277	- 0240	- 0213	- 0193
3.92	- 0295	- 0275	- 0238	- 0211	- 0191
3.93	- 0294	- 0273	- 0236	- 0208	- 0188
3.94	- 0293	- 0271	- 0233	- 0206	- 0186
395 396 397 398 399	- 0291 - 0290 - 0288 - 0286 - 0284	- £269 - £267 - £264 - £262 - £259	- 0319 - 0328 - 0335 - 0330	- 0203 - 0200 - 0198 - 0195 - 0192	- 0183 - 0181 - 0178 - 0175 - 0172
4.00	- 0282	- 0256	- 0216	- 0189	- 0169
4.01	- 0280	- 0253	- 0217	- 0186	- 0166
4.02	- 0278	- 0250	- 0206	- 0182	- 0163
4.03	- 0275	- 0247	- 0206	- 0179	- 0160
4.04	- 0272	- 0344	- 0203	- 0176	- 0157
4.05	- 0270	- 0241	- 0199	- 0173	- 0154
4.06	- 0267	- 0237	- 0196	- 0169	- 0151
4.07	- 0264	- 0234	- 0192	- 0166	- 0148
4.08	- 0261	- 0230	- 0188	- 0162	- 0145
4.09	- 0257	- 0226	- 0185	- 0159	- 0141
410	- 0854	- 0223	0181	- 0155	- 0138
411	- 0250	- 0219	0177	- 0152	- 0135
412	- 0247	- 0215	0173	- 0148	- 0131
413	- 0243	- 0211	0169	- 0145	- 0188
414	- 0240	- 0207	0166	- 0141	- 0125
415 416 417 418 419	- 0236 - 0232 - 0228 - 0220	- 0203 - 0199 - 0195 - 0190 - 0186	- 0162 - 0158 - 0154 - 0150 - 0146	- 0137 - 0134 - 0130 - 0126 - 0123	- 0121 - 0118 - 0114 - 0111 - 0107
420	- 0216	- 0182	- 0142	- 0119	- 0104
421	- 0211	- 0177	- 0138	- 0115	- 0101
422	- 0207	- 0173	- 0134	- 0111	- 0097
423	- 0203	- 0169	- 0129	- 0108	- 0094
424	- 0198	- 0164	- 0125	- 0104	- 0090
425	- 0194	- 0160	- 0121	- 0100	- 0087
426	- 0189	- 0155	- 0117	- 0097	- 0083
427	- 0185	- 0151	- 0113	- 0093	- 0080
428	- 0180	- 0146	- 0109	- 0089	- 0077
429	- 0176	- 0142	- 0105	- 0085	- 0073
430	- 0171	- 0137	- 0101	- 0082	- 0070
431	- 0167	- 0133	- 0097	- 0078	- 0067
432	- 0162	- 0128	- 0093	- 0075	- 0063
433	- 0157	- 0124	- 0089	- 0071	- 0060
434	- 0153	- 0120	- 0085	- 0067	- 0057
435	- 0148	- 0115	- 0081	- 0064	0054
436	- 0143	- 0111	- 0077	- 0060	0050
437	- 0139	- 0106	- 0073	- 0057	0047
438	- 0134	- 0102	- 0069	- 0053	0044
439	- 0129	- 0097	- 0065	- 0050	0041
4.40	- 0125	- 2093	- 0062	- 0047	- 0038
4.41	- 0120	- 2089	- 0058	- 0043	- 0035
4.42	- 0115	- 2084	- 0054	- 0040	- 0032
4.43	- 0111	- 2080	- 0050	- 0037	- 0029
4.44	- 0106	- 2076	- 0047	- 0033	- 0026
4.45	- 0101	- 0071	- 0043	- 0030	- 0023
4.46	- 0097	- 0067	- 0039	- 0027	- 0020
4.47	- 0092	- 0063	- 0036	- 0024	- 0017
4.48	- 0088	- 0059	- 0032	- 0021	- 0015
4.49	- 0083	- 0055	- 0029	- 0018	- 0012
4,50	0079	- 2051	- 0086	~ £015	- 2009

W3(x, r)

4.50	
4.530255024202120184018 4.530255024202180180011 4.550258023702110171011	
	8 4
4.56	0 5 1
4.600.2440.2230.1920.1490.09 4.610.2420.2200.1880.1450.08 4.620.2400.2170.1840.1400.08 4.630.2370.2100.1360.07 4.640.2350.2100.1760.1310.07	7 2 8
4.65     - 0.232     - 0.207     - 0.172     - 0.127     - 0.06       4.66     - 0.207     - 0.200     - 0.168     - 0.122     - 0.06       4.67     - 0.227     - 0.200     - 0.164     - 0.118     - 0.06       4.68     - 0.224     - 0.196     - 0.100     - 0.113     - 0.05       4.69     - 0.221     - 0.193     - 0.156     - 0.109     - 0.05	5 1 6
4.70     - 0.218     - 0.189     - 0.152     - 0.105     - 0.044       4.71     - 0.215     - 0.185     - 0.147     - 0.100     - 0.044       4.72     - 0.212     - 0.181     - 0.143     - 0.096     - 0.044       4.73     - 0.208     - 0.178     - 0.139     - 0.091     - 0.033       4.74     - 0.205     - 0.174     - 0.135     - 0.087     - 0.033	4 0 6
4.75     - 0.202     - 0.170     - 0.130     - 0.083     - 0.024       4.76     - 0.198     - 0.166     - 0.126     - 0.079     - 0.024       4.77     - 0.195     - 0.162     - 0.122     - 0.074     - 0.024       4.78     - 0.191     - 0.158     - 0.118     - 0.070     - 0.016       4.79     - 0.187     - 0.154     - 0.113     - 0.066     - 0.013	<del>4</del> 0 6
4.80    0184    0150    0109    0062    00064       4.81    0180    0146    0105    0058    00064       4.82    0176    0142    0101    0054    00064       4.83    0172    0137    0097    0050     .00062       4.84    0168    0133    0092    0046     .00062	5 2 L
4.85    0165    0129    0088    0042     .008       4.86    0157    0125    0080    0038     .0013       4.89    0153    0117    0076    0030     .0017       4.89    0149    0113    0072    0026     .0026	1 4 7
490     - 0145     - 0109     - 0068     - 0023     0023       491     - 0136     - 0104     - 0064     - 0019     0026       492     - 0136     - 0100     - 0060     - 0016     0028       493     - 0132     - 0096     - 0056     - 0012     0038       494     - 0128     - 0092     - 0052     - 0009     0038	5 9 8
495    0124    0088    0048    0005     .0037       496    0120    0084    0044    0002     .0036       497    0116    0080    0041     .0001     .0048       498    0112    0076    0037     .0004     .0044       499    0108    0072    0033     .0008     .0046	) 3 5
5.00     - 0104     - 0068     - 0030     0011     0049       5.01     - 0100     - 0064     - 0026     0014     0051       5.03     - 0096     - 0060     - 0023     0017     0053       5.03     - 0092     - 0057     - 0019     0055       5.04     - 0088     - 0053     - 0016     0022	5 5
5.05    0084    0049    0012     .0025     .0058       5.06    0080    0045    0009     .0028     .0060       5.07    0076    0042    0006     .0030     .0060       5.08    0072    0038    0033     .0064       5.09    0068    0034     .0000     .0035     .0068	
5.10    0064    0031     .0004     .0038     .0067       5.11    0060    0027     .0007     .0040     .0068       5.12    0056    0024     .0009     .0042     .0068       5.13    0053    0021     .0012     .0044     .0071       5.14    0049    0017     .0015     .0046     .0072	
5.15    0045    0014     .0018     .0048     .0073       5.16    0042    0011     .0021     .0050     .0074       5.17    0038    0008     .0033     .0052     .0075       5.18    0034    0004     .0026     .0054     .0076       5.19    0031    0001     .0088     .0056     .0077	
520     - 0027     0002     0031     - 0057     0077       521     - 0024     0005     0033     0059     0078       522     - 0021     0007     0035     0061     0079       523     - 0017     0010     0038     0062     0079       524     - 0014     0013     0040     0064     0080	
5.85 - 0.011 .0016 .0042 .0065 .0060	

 $W_3(x, r)$ 

	W <sub>3</sub> (x, r)				
X	3.0	4.0	6.0	8.0	10.0
4512 4553 4554	- 0079 - 0074 - 0070 - 0066 - 0061	- 0051 - 0047 - 0043 - 0039 - 0035	- 0026 - 0022 - 0016 - 0012	- 0015 - 0009 - 0006 - 0003	- 0009 - 0007 - 0004 - 0001
455 456 457 458 459	0057 0053 0049 0045 0041	- 0031 - 0027 - 0024 - 0020 - 0017	- 0009 - 0006 - 0003 - 0003	- 0001 0002 0005 0007 0010	0003 0006 0008 0010
4.60 4.61 4.62 4.63 4.64	- 0036 - 0033 - 0029 - 0025 - 0021	- 0013 - 0010 - 0006 - 0003	0006 0008 0011 0014 0016	0012 0015 0017 0019 0021	0015 0017 0019 0021 0023
4.65 4.66 4.67 4.68 4.69	- 0017 - 0014 - 0010 - 0006 - 0003	0004 0007 0010 0013 0016	0019 0031 0034 0036 0039	£024 £026 £028 £030 £032	0025 0027 0029 0030 0032
470 471 472 473 474	0001 0004 0007 0010 0014	0019 0022 0024 0027 0030	0031 0033 0035 0037 0039	0034 0035 0037 0039 0040	0034 0035 0037 0038 0040
4.75 4.76 4.77 4.78 4.79	0017 0020 0023 0025 0028	0032 0035 0037 0039 0042	.0041 .0043 .0045 .0046 .0048	0048 0044 0045 0046 0048	0041 0042 0044 0045 0046
4.80 4.81 4.83 4.83 4.84	0031 0034 0036 0039 0041	0044 0046 0048 0050 0052	0050 0051 0053 0054 0055	D 049 D 050 D 051 D 053 D 054	0047 0048 0049 0050 0051
4.85 4.86 4.87 4.88 4.89	0043 0046 0048 0050 0052	0054 0055 0057 0059 0060	0057 0058 0059 0060 0061	0055 0056 0057 0057 0058	0052 0053 0053 0054 0055
490 491 492 493 494	0054 0056 0058 0060 0061	0062 0063 0064 0066 0067	0062 0063 0064 0065 0066	0059 90660 90661 9061	0055 0056 0056 0057 0057
495 496 497 498 499	0063 0064 0066 0067 0069	.0068 .0069 .0070 .0071 .0072	2066 2067 2067 2068 2068	0063 0063 0063 0068	2058 2058 2058 2058 2058
500 501 502 503 504	0070 0071 0072 0073 0074	0073 0074 0074 0075 0075	D069 D069 D070 D070	2063 2064 2064 2064 2064	0059 0059 0059 0059 0059
505 506 507 508 509	.0075 .0076 .0077 .0078	0076 0076 0077 0077 0077	2070 2070 2070 2070 2070	Д064 Д064 Д064 Д064 Д064	0059 0059 0059 0059 0059
510 511 512 513 514	0079 0079 0080 0080 0081	2078 2078 2078 2078 2078	D070 D070 D070 D070 D069	0063 0063 0063 0063	.0058 .0058 .0057 .0057
515 516 517 518 519	0081 0081 0081 0081 0081	.0078 .0078 .0078 .0077	2069 2069 2068 2068 2067	0062 0061 0061 0060	0056 0056 0056 0055 0055
520 521 522 523 524	0081 0081 0081 0081	D077 D076 D076 D076	D067 D066 D066 D065 D065	2060 2059 2058 2058 2057	0054 0053 0053 0053 0052 0052
5.25	1800	.0075	.0064	£ 056	.0051
		·			

	₩ <sub>3</sub> (x, r)				
X	11	1.1	1.25	1.5	2.0
55555 555555	0011 0008 0008 0001	.0016 .0018 .0021 .0025 .0026	.0042 .0044 .0046 .0048	2065 2066 2067 2068 2069	.0080 .0081 .0081 .0081
5330 5332 5333 5334	0004 0007 0010 0013 0015	.0028 .0031 .0033 .0035	.0051 .0053 .0054 .0056	0070 0071 0072 0073 0074	\$800. \$800. \$800. \$800.
535 536 537 538 539	0018 0021 0023 0026 0028	0039 0041 0043 0045 0047	0059 0060 0062 0063	0075 0075 0076 0076 0076	0082 0081 0081 0081
5.40 5.41 5.42 5.43 5.44	0030 0032 0035 0037 0039	.0049 .0050 .0053 .0053	.0065 .0066 .0067 .0068	.0 0 7 7 .0 0 7 7 .0 0 7 8 .0 0 7 8	0080 0080 0079 0079
5.45 5.46 5.47 5.48 5.49	Q041 Q043 Q045 Q046 Q048	.0056 .0058 .0059 .0060	0070 0070 0071 0072 0072	0078 0078 0078 0078 0078	.0078 .0077 .0077 .0076 .0075
5.50 5.5.52 5.5.53 5.5.4	Q 0 5 0 Q 0 5 1 Q 0 5 3 Q 0 5 4 Q 0 5 6	.0063 .0064 .0065 .0065	0073 0073 0073 0074 0074	.0078 .0078 .0077 .0077 .0077	0074 0074 0073 0072 0071
5.5.5 5.5.6 5.5.7 5.5.8 5.5.9	0057 0058 0060 0061 0062	0067 0068 0069 0069	.0074 .0074 .0074 .0075	D076 D076 D075 D075 D074	0070 0069 0068 0067 0066
5.60 5.61 5.63 5.63 5.64	0063 0064 0065 0066 0066	.0070 .0071 .0071 .0071	0074 0074 0074 0074 0074	0074 0073 0073 0073 0072	.0065 .0064 .0063 .0063
5.65 5.66 5.67 5.68 5.69	0067 0068 0068 0069 0070	.0072 .0072 .0072 .0072	.0074 .0073 .0073 .0073	0070 0070 0069 0068 0067	0060 .0058 .0056 .0056
5.70 5.71 5.72 5.73 5.74	0070 0070 0071 0071 0071	.0072 .0072 .0072 .0073	0072 0071 0071 0070 0069	D 0 6 6 .0 0 6 5 .0 0 6 4 .0 0 6 3 .0 0 6 2	0054 0052 0051 0050 0049
5.75 5.76 5.77 5.78 5.79	0071 0072 0072 0072 0072	.0072 .0071 .0071 .0071	0069 0068 0067 0067 0066	0061 0060 0059 0058 0057	0047 .0046 .0045 .0043 .0043
5.80 5.81 5.83 5.83 5.84	0072 0072 0071 0071	0070 0069 0069 0068 0068	.0065 .0064 .0063 .0068	.0056 .0055 .0054 .0052 .0051	0041 0040 0038 0037 0036
5.85 5.86 5.87 5.88 5.89	.0071 .0070 .0070 .0070 .0069	.0067 .0066 .0066 .0065 .0064	0061 0060 0059 0058 0057	D 050 D 049 D 048 D 046 D 045	0034 0033 0033 0031 0039
5.90 5.91 5.92 5.93 5.94	0069 0068 0068 0067 0067	.0064 .0063 .0062 .0061 .0060	0056 0055 0054 0052	.0 04 4 .0 04 3 .0 04 2 .0 04 0 .0 0 3 9	0028 0027 0025 0024 0023
5,95 5,96 5,97 5,98 5,99	0066 0065 0065 0064 0063	2059 2059 2058 2057 2056	0050 0049 0048 0047 0046	.0 038 .0 037 .0 035 .0 034 .0 033	0022 0020 0019 0018 0017
6.00	.0062	.0055	.0045	.0032	.0016

 $W_3(x,r)$ 

		<del>,</del>	W <sub>3</sub> (x,r)	<del></del>	
X	3.0	4.0	6.0	8.0	10.0
525 5267 528 538 539	0081 0080 0080 0080 0079	2075 2074 2074 2073 2073	0064 0063 0063 0062 0061	2056 2056 2055 2054 2054	0051 0050 0050 0049 0048
530 531 532 533 534	0079 0078 0078 0077 0076	0072 0071 0070 0069	0060 0060 0059 0058 0057	.0053 .0052 .0051 .0050 .0049	.0047 .0047 .0046 .0045
535 536 537 538 539	0076 0075 0074 0073 0073	0068 0067 0066 0065 0064	0056 0055 0054 0053 0052	.0049 .0048 .0047 .0046 .0045	0043 0043 0042 0041 0040
5.40 5.41 5.42 5.43 5.44	0072 0071 0070 0069 0068	2063 2062 2061 2060 2059	0051 0050 0049 0048 0047	.0044 .0043 .0042 .0041 .0040	0039 0038 0037 0036
5.45 5.46 5.47 5.48 5.49	D067 D066 D065 D064 D063	0058 0057 0056 0055 0053	0046 0045 0044 0043 0042	0039 0038 0037 0036 0035	0035 0034 0033 0033 0032
55555 55555 55555	0062 0061 0059 0058 0057	0052 0051 0050 0049 0047	2041 2040 2039 2037 2036	0034 0033 0032 0031 0030	0030 0029 0028 0028 0027
5.55 5.56 5.57 5.58 5.59	0056 0055 0054 0052 0051	0046 0045 0044 0043 0041	0035 0034 0033 0038 0031	0029 0028 0027 0026 0025	0025 0024 0023 0022 0021
5.60 5.61 5.62 5.63 5.64	0050 0049 0047 0046 0045		0030 0039 0027 0026 0025	0024 0023 0022 0022 0021	0021 0020 0019 0018 0017
5.65 5.66 5.67 5.68 5.69	0043 0042 0041 0040 0038	0034 0033 0032 0030 0029	0024 0023 0022 0021 0020	D019 D018 D017 D016 D015	0016 0015 0014 0013 0012
5.70 5.71 5.72 5.73 5.74	0037 0036 0034 0033 0032	0028 0027 0025 0024 0023	0019 .0018 .0017 .0015 .0014	0014 0013 0012 0011 0010	0012 0011 0010 0009 0008
5.75 5.76 5.77 5.78 5.79	0031 0029 0028 0027 0025	9022 9021 9019 9018 9017	0013 0012 0011 0010 0009	9010 9009 9008 9007 9006	0007 0007 0006 0005 0004
5.80 5.81 5.82 5.83 5.84	0024 0023 0022 0022 0019	0016 0015 0014 0013 0012	0008 0008 0007 0006 0005	.0005 .0004 .0004 .0003 .0002	0003 0003 00002 00001
5.85 5.86 5.87 5.88 5.89	0018 0017 0016 0015 0013	0010 0009 0008 0007 0006	0004 0003 0002 0001 0000	0001 0000 0000 - 0001 - 0002	.0000 0001 0002 0003
5.90 5.91 5.92 5.93 5.94	0012 0011 0010 0009 0008	0005 0004 0003 0002 0001	.0000 0001 0002 0003	- 0003 - 0003 - 0004 - 0005 - 0005	- 0003 - 0004 - 0005 - 0005 - 0006
5.95 5.96 5.97 5.98 5.99	0007 0006 0005 0004 0003	.0000 .0000 0002 0003	- 0004 - 0005 - 0006 - 0006	- 0006 - 0007 - 0008 - 0008	- 0006 - 0007 - 0007 - 0008 - 0008
6.00	2000	- 2004	800a -	- 2000 ~	- D009

			$W_3(x, r)$	•	
X	1	1.1	1.25	1.5	2.0
6.00 6.01 6.02 6.03 6.04	0062 0061 0061 0060 0059	0055 0054 0053 0052 0051	.0045 .0044 .0042 .0041 .0040	0032 0030 0029 0028 0027	Q016 Q015 Q013 Q012 Q011
6.05 6.06 6.07 6.08 6.09	0058 0057 0056 0055 0054	0050 0048 0047 0046 0045	0039 0038 0036 0035 0034	0026 0024 0023 0022 0021	Q010 Q009 Q0008 Q0007 Q006
610 611 612 613 614	.0053 .0058 .0051 .0050	.0044 .0043 .0042 .0041 .0040	0033 0032 0031 0029	.0020 .0019 .0017 .0016 .0015	0005 0003 0003 0003
615 616 617 618 619	Q 0 4 8 Q 0 4 7 Q 0 4 6 Q 0 4 5 Q 0 4 4	0036 0037 0036 0035 0034	0027 0026 0025 0024 0022	0014 0013 0012 0011 0010	.0000 0001 0002 0003
6.20 6.21 6.23 6.23 6.24	.0043 .0042 .0040 .0039 .0038	.0033 .0032 .0030 .0029 .0028	0021 0020 0019 0018 0017	0009 0008 0007 0006 0005	0005 0006 0006 0007 0008
625 626 627 629 629	0037 0036 0035 0034 0032	.0027 .0026 .0025 .0024 .0023	.0016 .0015 .0014 .0013 .0012	0004 0003 0002 0001	- 0009 - 0010 - 0010 - 0011
630 631 632 633 634	0031 0030 0039 0028 0028	0021 0020 0019 0018 0017	0010 0009 0008 0007 0006	- 0001 - 0002 - 0003 - 0004 - 0004	- 0012 - 0013 - 0014 - 0014 - 0015
635 636 637 638 639	.0026 .0025 .0023 .0023 .0023	.0016 .0015 .0014 .0013	0006 0005 0004 0003 0002	- 9005 - 9006 - 9007 - 9008 - 9008	- 0015 - 0016 - 0016 - 0017 - 0017
640 641 642 643 644	0020 0019 0018 0017 0016	.0011 .0010 .0009 .0008	0001 0000 0000 0002 0002	- 0009 - 0010 - 0010 - 0011 - 0012	- 0018 - 0018 - 0019 - 0019 - 0019
6.45 6.46 6.47 6.48 6.49	.0015 .0014 .0013 .0013 .0011	.0006 .0005 .0004 .0003	- 0003 - 0004 - 0005 - 0006	- 0012 - 0013 - 0013 - 0014 - 0014	- 0030 - 0030 - 0031
6.50 6.51 6.52 6.53 6.54	.0010 .0009 .0008 .0007	0001 0001 - 0002	- 0007 - 0008 - 0008 - 0009 - 0010	- 0015 - 0015 - 0016 - 0016 - 0017	- 0033 - 0033 - 0033
6.55 6.56 6.57 6.58 6.59	.0005 .0004 .0003 .0002	0003 0003 0004 0005 0006	- 0010 - 0011 - 0012 - 0012 - 0013	- 0017 - 0018 - 0018 - 0018 - 0019	- 0083 - 0083 - 0083 - 0083
5.50 6.61 6.62 6.63 6.64	.0001 0001 0002 0003	- 0006 - 0007 - 0008 - 0008 - 0009	- 0013 - 0014 - 0014 - 0015 - 0015	- 0019 - 0020 - 0020 - 0020	- 0083 - 0083 - 0083 - 0083
6.65 6.65 6.67 6.68 6.69	- 0003 - 0004 - 0005 - 0006	0010 0010 0011 0011	0016 0016 0016 0017 0017	- 0020 - 0021 - 0021 - 0021 - 0021	- 0023 - 0023 - 0023 - 0023
6.70 6.71 6.72 6.73 6.74	0007 0008 0008 0009 0010	0012 0013 0013 0014 0014	0017 0018 0018 0018 0019	- 0021 - 0021 - 0021	- 0088 - 0083 - 0083 - 0083
6.75	0010	0015 _	0019	- 0088	- voss

W<sub>3</sub>(x, r)

X	3.0	4.0	W <sub>3</sub> (x, r)	8.0	10.0
6.00	0005	0004	- 0008	- 2009	- 2009
6.0.2 6.0.3 6.0.3 6.0.4	- 0001 - 0003	- 2005 - 2006 - 2007	- 0008 - 0009 - 0010 - 0010	- 0009 - 0010 - 0010 - 0011	- 0009 - 0010 - 0010 - 0011
6.0.5 6.0.6 6.0.7 6.0.8 6.0.9	- 0003 - 0004 - 0005 - 0006 - 0006	- 0008 - 0009 - 0009 - 0010 - 0011	- 0011 - 0011 - 0012 - 0013	- 2011 - 2012 - 2013 - 2013	0011 0012 0012 0012 0013
610 611 612 613 614	- 0007 - 0008 - 0009 - 0009 - 0010	- 0011 - 0012 - 0012 - 0013 - 0014	0013 0014 0014 0015	- 0013 - 0014 - 0014 - 0014 - 0015	- 0013 - 0013 - 0014 - 0014 - 0014
615 616 617 618 619	- 0011 - 0012 - 0012 - 0013	- 0014 - 0015 - 0016 - 0016	- 2015 - 2016 - 2016 - 2017 - 2017	- 2015 - 2015 - 2016 - 2016 - 2016	- 0014 - 0015 - 0015 - 0015 - 0015
620 621 622 623 624	- 0014 - 0015 - 0015 - 0016 - 0016	- 0017 - 0017 - 0017 - 0018 - 0018	0017 0017 0018 0018 0018	- D016 - D017 - D017 - D017 - D017	- 0016 - 0016 - 0016 - 0016 - 0016
6.25 6.26 6.27 6.28 6.29	- 0017 - 0017 - 0018 - 0018 - 0019	- 0019 - 0019 - 0020 - 0020	- 2018 - 2019 - 2019 - 2019 - 2019	0017 0018 0018 0018 0018	- 0016 - 0016 - 0016 - 0017 - 0017
630 631 632 633 634	- 0019 - 0019 - 0020 - 0020	- 0020 - 0021 - 0021 - 0021	- £019 - £019 - £020 - £020	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0017 - 0017 - 0017 - 0017
635 636 637 638 639	- 0021 - 0021 - 0021 - 0022	- 0021 - 0021 - 0022 - 0022	0800 - 0800 - 0800 - 0800 -	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0017 - 0017 - 0017 - 0017
6A0 6A1 6A2 6A3 6A4	- 0088 - 0088 - 0088 - 0088	- 000 - 000 - 0000 - 0000 - 0000 - 0000 - 0000	- 0080 - 0080 - 0080 - 0080	- 0018 - 0018 - 0018 - 0018 - 0018	- 0017 - 0017 - 0017 - 0017 - 0016
6.45 6.46 6.47 6.48 6.49	2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 2200 - 22	- 0000 - 0000 - 0000 - 0000 - 0000	- 0016 - 0030 - 0030 - 0030	- 2018 - 2018 - 2018 - 2018 - 2017	- 0016 - 0016 - 0016 - 0016 - 0016
650 651 652 653 654	- 0023 - 0023 - 0023 - 0023	- 0081 - 0088 - 0088	- 0019 - 0019 - 0019 - 0019 - 0019	- 2017 - 2017 - 2017 - 2017 - 2017	- 0016 - 0016 - 0015 - 0015 - 0015
655 657 659 659	2800 - 2800 - 2800 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 28000 - 2	- 0021 - 0021 - 0021	- 0019 - 0018 - 0018 - 0018 - 0018	- 2016 - 2016 - 2016 - 2016 - 2016	- 0015 - 0015 - 0015 - 0014 - 0014
650 651 652 653 654	- 0088 - 88900 - 88900 - 88900 - 0088	- 0020 - 0020 - 0020 - 0020	- 0018 - 0017 - 0017 - 0017 - 0017	- 0016 - 0015 - 0015 - 0015 - 0015	- 0014 - 0014 - 0014 - 0013 - 0013
6.55 6.56 6.57 6.58 6.59	- 0022 - 0021 - 0021	- 0020 - 0019 - 0019 - 0019 - 0019	- 0016 - 0016 - 0016 - 0016 - 0015	- 0014 - 0014 - 0014 - 0014 - 0013	- 0013 - 0013 - 0013 - 0013
670 671 672 673 674	- 0020 - 0020 - 0020 - 0020	- D018 - D018 - D018 - D018 - D017	- 0015 - 0015 - 0015 - 0014 - 0014	- 0013 - 0013 - 0013 - 0012 - 0012	0012 0013 0011 0011
6.75	0019	- 0017	- 0014	- 2013	0011

 $W_3(x,r)$ 

				$W_3(x,r)$		
6776 - 0011	X	1	1.1	1.25	1.5	2.0
6810013	6.76 6.77 6.78	0011 0011 0012	- 0015 - 0016 - 0016	0019 0019 0020	- 0088 - 0088 - 0088	- 0088 - 0088 - 0088
686	6.81 6.82 6.83	0013 0014 0014	0017 0017  0018	0800 - 0800 - 0800 - 0800	- 0088 - 0088 - 0088	- 0021 - 0021 - 0021
691	6.85 6.87 6.88	0015 0016 0016	0018 0019 0019	0021 0021 0021	0021 0021 0021	0020 0020 0019
6.96	6.91 6.92 6.93	0017 0017 0018	- 0019 - 0019	0021 0021 0021	0031 0021 0020	0019 0018 0018
	6.96 6.97 6.98	- 0018 - 0019 - 0019	0800 - 0080	- 0081 - 0081 - 0080	~ £020 ~ £020 ~ £019	- 0017 - 0017 - 0016
	7.00	~ .0019	- 0080	0020	- 0019	0016
					:	
				•		

W <sub>3</sub>	(x,	r)
		6.0

	W <sub>3</sub> (x, r)				
X	3.0	4.0	6.0	8.0	10.0
6.75 6.76 6.77 6.78 6.79	- 0019 - 0019 - 0019 - 0019 - 0018	- 0017 - 0017 - 0016 - 0016 - 0016	0014 0013 0013 0013	- 0012 - 0012 - 0011 - 0011 - 0011	- 0011 - 0010 - 0010 - 0010 - 0010
6.80 6.81 6.83 6.83 6.84	0018 0018 0017 0017 0017	0015 0015 0015 0015 0014	- 0011 - 0013 - 0013	- 0010 - 0010 - 0010 - 0010 - 0009	- 0008 - 0009 - 0009 - 0009
6.85 6.86 6.87 6.88 6.89	- 0016 - 0016 - 0015 - 0015	- 0014 - 0014 - 0013 - 0013 - 0013	0010 0010 0010	- 0008 - 0008 - 0008 - 0009 - 0009	- 0008 - 0008 - 0007 - 0007 - 0007
690 691 692 693 694	0015 0014 0014 0014 0013	0012 0011 0011 0011	- 0008 - 0009 - 0009 - 0009	- 0008 - 0007 - 0007 - 0007 - 0006	- 0007 - 0006 - 0006 - 0006
6.95 6.96 6.97 6.98 6.99	- 0013 - 0013 - 0012 - 0012 - 0012	0010 0010 0010 0009 0009	- 0008 - 0007 - 0007 - 0007 - 0006	0006 0006 0005 0005	- 0005 - 0005 - 0005 - 0004 - 0004
7.00	- 0011	e000 -	- 2006	- <u>0</u> 005	0004
		:			
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		·			
			!		
		<u> </u>		L	

1				W4(x, r)		
1	X		1.1	1.25	1.5	2.0
0	.01	57545763	121861480	1.89213285	2.55593985	310124294
	.02	64928719	127580490	1.92595168	2.55802459	3.06305030
	.03	78142610	133086100	1.957:39222	2.55783754	3.02326383
123125747	.06	92712283	1.48294260	2.03748046	2.54399873	289491058
	.07	.99193960	1.52919610	2.05945825	2.53507579	284932247
	.08	1.05480252	1.57319825	2.07909677	2.58407555	280243159
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18	21 22 23 24	1.57921208 1.71170105 1.74192889 1.76989897	193798295 195030998 196047084 196849121	213196344 218156391 210929357 209519802	221322413 317824855 214197559 310446458	204363024 198460283 198525928
31 190330715 196788216 194981358 1.81286912 1.30598282 194364735 195584048 19286075 17.50708055 1.44613582 1945814735 194587361 194587361 189482315 17.50708055 1.44613582 194587361 194587361 194587361 1894823315 17.50708055 1.44613582 194587361 194587361 194587361 194587361 1894873607 1864873607 187448632 198719199 194587361 1995877586 1894873607 1894823086 189716099 17.56867684 1875866441 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.57966641 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.5796766 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.579667664 1809487362 11.5796766 11.5796766 11.5796766 11.5796766 11.5796766 11.5796766 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.579676 11.57967	26	181909282	1,97822377	2.06172035	2.02596765	1.80586137
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1934 15519	32 33 34	1,90,330715 1,91364733 1,92187384	1,96728216 1,95934048 1,94957511 1,93802930	194951358 192260075 189432318 186473607	1.81236912 1.76702055 1.78107634 1.67449632	150592282 144613582 138654158 138719199
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	.48	1,90594844	1.78715355	158765496	128600486	86704633
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	47	183375850	1.64763440	138666027	1.03742910	.59934665
	48	181454819	1.61629422	134468791	98792825	.54818678
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1266   1266   1799   1   1703   1228   1703   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1228   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   1703   170	.61	1.44909206	1.13610360	.77636538	37761098	08796799
	.62	1.41393554	1.09546095	.73266762	33462839	06469398
	.63	1.37804232	1.05455213	.68920649	29237350	10085788
71	.66 .67 .68	126647991 122817592 118940163	93072893 88925192 84775302	.56066328 .51856321 .47690110	17035056 13133887 .09319893	- 19988237 - 23071289 - 26034653 - 28878057
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05	295872113	2.79248168	246160244	220837394	2.01573511
06	288529445	2.71086648	237926601	212996025	194169763
07	281159571	2.62953720	229767942	205244993	1.86861334
08	273768199	2.54854202	221687789	197587057	1.79650504
09	266361005	2.46792852	213689591	190024906	1.72539479
10	258943626	238774365	205776719	1.82561148	1.65530398
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13	236686080	215021928	182582538	1.60785152	1.45135037
14	229283384	207220344	175043012	1.53739462	1.38553559
15	221897919	1,99483935	1.67604384	146803984	132083541
16	214534970	1,91816902	1.60269490	139980817	125726635
17	207199741	1,84223345	1.53041066	133271964	119484412
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19	192632846	1,69272556	1.38914055	120204748	107349845
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%1	1.78237107	1.54662285	1.25243148	107616444	95690600
%2	1.7111544	1.47493955	1.18584447	101505856	90042186
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%4	1.57047723	1.33448111	1.05631004	89658868	79112886
25	150110566	126577116	99340102	83924982	.73833763
26	143243633	119811543	93175447	.78319002	.58679340
27	136451087	113154338	87138670	.72841926	.53650262
28	129736964	106608318	81231284	.67494643	.58747078
29	123105175	100176168	75454683	.68277941	.53970241
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31	110103578	87663560	64298824	58238894	44796951
32	103740925	81587807	58921764	47417596	40400932
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43	40770522	23866425	08814541	03147316	00392717
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48	16938010	02186617	08457323	- 11739889	- 12857298
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95	13747524	- 13720753	- 37975158	55912431	62633405
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110 1112 1113 1114	- 28764237 - 30927704 - 33001906 - 34986419 - 36880930	- 45373411 - 46755700 - 48047337 - 49248844 - 50360836	- 56993060 - 57528865 - 57979229 - 58345575 - 58629394	- £0909417 - £0582025 - £0183261 - £9715303 - £9180360	53691426 52606550 51475164 50899851 49083188
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124	- 508838	567544	- 572983	- 506494	- 351972
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126	526261	- 570625	- 568187	- 483704	- 321718
127	533696	- 571044	- 555901	- 471747	- 306432
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131	555174	- 565627	- 525334	- 420705	- 244738
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1.48	- 517888	- 440592	- 326899	- 175355	.002560
1.49	- 510352	- 429421	- 313182	- 160827	.015309
1.50	502343	- A17957	- 299367	- 146403	D27780

 $W_4(x,r)$ 

	_	_	W4(x,r)		
X	3.0	4.0	6.0	8.0	10.0
75	55009845	- 54149539	- 48393672	- 43340552	- 39421791
76	55928059	- 54582312	- 48430312	- 43229739	- 39244913
37	56736073	- 54916841	- 48386325	- 43049545	- 39006396
78	57436031	- 55155631	- 48264281	- 42802421	- 38708553
79	58030136	- 55301223	- 48066768	- 42490823	- 38353695
80	- 58520655	- 55356195	- 47796383	- 42117211	- 37944132
81	- 58909909	- 55323157	- 47455735	- 41684044	- 37482170
82	- 59200274	- 553234748	- 47047440	- 41193781	- 36970109
83	- 59394175	- 552003632	- 46574116	- 40648875	- 36410239
84	- 59494081	- 54722497	- 46038385	- 40051772	- 35804840
&5	- 59502507	- 54364047	- 45442867	- 39404910	- 35156182
&6	- 59422003	- 53931005	- 44790178	- 38710715	- 34466516
&7	- 59255158	- 53426107	- 44082927	- 37971600	- 33738079
&8	- 59004592	- 53852095	- 43323716	- 37189963	- 32973091
&9	- 58672951	- 58811721	- 42515135	- 36368184	- 32173750
90	58262910	- 51507741	- 41659760	- 35508623	- 31342233
91	- 57777162	- 50742908	- 40760150	- 346136136	- 30480693
92	- 57218423	- 49919978	- 39818847	- 33685486	- 29591255
93	56589419	- 49041698	- 38838374	- 32726515	- 28676024
94	55892891	- 48110809	- 37821227	- 31738969	- 27737072
95	55131590	- 47130040	- 36769882	- 30725081	- 26776440
96	54308268	- 46102109	- 35686786	- 29687056	- 25796141
97	53425683	- 45029715	- 34574356	- 28627063	- 24798153
98	52486592	- 43915543	- 33434980	- 27547242	- 23784421
99	51493748	- 42762253	- 32271014	- 26449695	- 22756855
1.00	- 50449897	- 41572485	- 31084779	- 25336488	- 21717329
1.01	- 49357777	- 40348850	- 29878559	- 24209649	- 20667678
1.02	- 48220111	- 39093936	- 28654603	- 23071167	- 19609699
1.03	- 47039612	- 37810296	- 27415117	- 21922992	- 18545150
1.04	- 45818971	- 36500454	- 26162272	- 20767030	- 17475748
105	- 44560861	- 35166899	- 24898191	- 19605146	- 16403168
106	- 43267933	- 33812085	- 23624959	- 18439162	- 15329045
107	- 41942810	- 32438426	- 22344612	- 17270855	- 14354969
108	- 40588092	- 31048298	- 21059143	- 16101955	- 13182485
109	- 39206345	- 29644035	- 19770498	- 14934147	- 12113097
110	- 37800107	- 28227928	- 18480574	- 13769070	- 11048262
111	- 36371880	- 26802224	- 17191220	- 12608314	- 09989392
112	- 34924129	- 25369122	- 15904234	- 11453422	- 08937853
113	- 33459284	- 23930776	- 14621366	- 10305886	- 07894965
114	- 31979732	- 22489290	- 13344311	09167151	- 06862001
115	- J0487821	- 21046717	- 12074716	- 08038611	05840187
116	- 28985853	- 19505060	- 10814171	- 06921610	04830702
117	- 27476089	- 18166270	- 09564218	- 05817442	03834677
118	- 25960738	- 16732244	- 08326340	- 04727351	02853196
119	- 24441966	- 15304825	- 07101969	- 03652527	01887297
120 121 122 123 124	- 22921888 - 214026 - 198860 - 183742 - 168690	- 13885802 - 124769 - 110798 - 096961 - 083275	- 05892484 - 046992 - 035234 - 023663 - 012290	- 02594114 - 015532 - 005308 - 004720 - 014544	- 00937968 - 000062 009073 018014
125	- 153723	- 069753	001127	024154	035288
126	- 138859	- 056410	.009816	033543	043606
127	- 124115	- 043260	.020530	042701	051703
128	- 109507	- 030317	.031004	051623	059571
129	- 095053	- 017593	.041230	060301	067206
130	080768	- 005101	.051200	.068728	074602
131	066667	007149	.060905	.076899	081755
132	052764	019146	.070340	.064808	088660
133	039073	030878	.079496	.092451	095312
134	025608	042337	.088368	.099823	101710
135	- 012381	053513	096950	106920	107850
136	000596	064397	105237	113739	113728
137	013312	074983	113225	120275	119343
138	025755	085261	120909	126528	124693
139	037915	095226	128286	138494	129777
1.40	049784	104871	135352	138172	134593
1.41	061350	114191	142105	143561	139141
1.42	072607	123180	148543	148658	143421
1.43	083546	131833	154664	153465	147432
1.44	094161	140147	160467	157981	151175
1.45	104443	148118	165950	162206	154650
1.46	114388	155743	171115	166140	157860
1.47	183990	163020	175959	169786	160804
1.48	133243	169946	180485	173143	163486
1.49	148143	176521	184692	176214	165906
1.50	150687	182742	188583	179001	168068

W4 (x, r)

	W <sub>4</sub> (x, r)				
X	1	I.l	1.25	1.5	2.0
150	- 5023	- 4179	- 2993	- 1464	D277
151	- 4939	- 4058	- 2855	- 1381	D400
152	- 4850	- 3948	- 2715	- 1179	D518
153	- 4757	- 3820	- 2575	- 1039	D634
154	- 4660	- 3696	- 2435	- 0900	D747
1.55 1.56 1.57 1.58 1.59	- 4559 - 4455 - 4337 - 4124	- 3570 - 3448 - 3318 - 3181 - 3049	- 2295 - 2155 - 8015 - 1876 - 1737	- 0764 - 0629 - 0496 - 0365 - 0237	0856 09665 1164 1260
1.60 1.61 1.62 1.63 1.64	- 4008 - 3890 - 37646 - 3521	- 2916 - 2783 - 2614 - 2379	- 1599 - 1462 - 1386 - 1192 - 1058	- 0111 0013 0134 0252 0368	1353 1441 1526 1608 1686
1.65	- 3395	- 2244	- 0927	0481	1760
1.66	- 3267	- 2109	- 0796	0590	1898
1.67	- 3138	- 1975	- 0668	0697	1898
1.68	- 3108	- 1840	- 0542	0801	1961
1.69	- 2876	- 1707	- 0417	0901	2080
1.70	- 2744	- 1574	- 0295	0999	2076
1.71	- 2612	- 1442	- 0174	1093	2128
1.73	- 2479	- 1311	- 0056	1184	2177
1.73	- 2346	- 1181	- 0059	1271	2222
1.74	- 2212	- 1053	- 0172	1356	2263
1.75	- 2079	0925	.0282	1436	2300
1.76	- 1946	0800	.0390	1814	2334
1.77	- 1814	0676	.0495	1587	2365
1.78	- 1682	0554	.0597	1658	2392
1.79	- 1551	0434	.0697	1725	2415
1.80 1.81 1.82 1.83 1.84	- 1421 - 1291 - 11637 - 1037	- 0316 - 0200 - 0086 .0026	0793 0887 0977 1064 1149	1788 1848 1905 1958 2007	2435 2452 2465 2476 2482
1.85	0787	.0 8 4 8	1230	2053	2486
1.86	0665	.0 3 4 6	1307	2096	2487
1.87	0545	.0 4 4 8	1388	2135	2484
1.88	0426	.0 5 4 7	1453	2170	2479
1.89	0310	.0 6 4 3	1581	2203	2471
190	0195	.0736	1586	2232	.2459
191	0083	.0827	1648	2257	.2446
198	.0027	.0914	1706	2280	.2429
193	.0135	.0999	1761	2299	.2410
194	.0240	.1080	1813	2315	.2388
195	.0343	1159	1861	2328	2364
196	.0443	1234	1906	2338	2338
197	.0541	1307	1948	2344	2309
198	.0636	1376	1987	2348	2278
199	.0728	1442	2022	2349	2245
2.00 2.01 2.02 2.03 2.03	0817 0903 0987 1067	1505 1565 1622 1676 1726	2054 2083 2109 2132 2152	2347 2348 2334 2324 2321	2810 2178 2133 2093 2050
205	1219	1773	2169	2296	2006
206	1290	1818	2182	2278	1961
207	1359	1859	2193	2258	1914
208	1484	1896	2201	2236	1866
209	1486	1931	2306	2211	1816
210 211 212 213 214	1545 1601 1654 1703 1750	1963 1992 2017 2040 2060	2208 2208 2208 2305 2199 2191	2184 2155 2124 2091 2056	1765 1713 1661 1607 1552
315	1793	2076	2180	2020	1497
316	1834	2090	2167	1982	1441
317	1871	2101	2152	1942	1385
318	1905	2110	2134	1901	1328
319	1937	2115	2114	1858	1270
820	1965	3118	2092	1814	1212
221	1990	2119	2068	1769	1154
222	2012	3116	2042	1722	1096
823	2032	3112	2014	1674	1038
824	2048	2104	1984	1626	0979
2.25	2062	2095	1952	1576	D921

			$W_4(x,r)$		
X	3.0	4.0	6.0	8.0	10.0
1.50	1506	1827	1885	1790	1680
1.51	1589	1886	1922	1815	1700
1.52	1667	1941	1954	1837	1716
1.53	1741	1993	1984	1857	1730
1.54	1812	2041	2010	1874	1742
1.55	1880	2086	2034	1888	1751
1.56	1943	2127	2054	1899	1758
1.57	2003	2164	2071	1908	17562
1.58	2059	2198	2086	1914	1764
1.59	2112	2229	2097	1918	1764
1.60	2160	2257	2106	1919	1762
1.61	2206	2281	2112	1918	1757
1.62	2247	2301	2115	1914	1750
1.63	2285	2319	2115	1908	1742
1.64	2319	2333	2113	1900	1731
1.65	2350	2344	2108	1890	1718
1.66	2377	2352	2101	1877	1703
1.67	2401	2357	2091	1862	1687
1.68	2421	2358	2079	1846	1689
1.69	2438	2357	2065	1827	1649
170 171 172 173	2452 2462 2469 2473 2474	2353 2346 2337 2325 2310	2048 2029 2008 1984 1959	1807 1784 1760 1734 1707	1627 1604 1579 1553 1525
1.75	2472	2292	1932	1677	1496
1.76	2466	2272	1903	1647	1466
1.77	2458	2250	1872	1615	1434
1.78	2447	2226	1840	1581	1402
1.79	2433	2199	1806	1547	1368
180	2417	2170	1770	1511	1333
181	2398	2139	1733	1474	1297
182	2376	2106	1695	1436	1261
183	2352	2071	1655	1396	1223
184	2326	2034	1614	1356	1185
1.85 1.86 1.87 1.88 1.89	2397 2366 2233 2198 2161	1995 1955 1913 1870 1825	1572 1528 1484 1439 1393	1315 1274 1231 1188 1144	1146 1107 10066 1006
190	2122	1779	1346	1100	0943
191	2081	1732	1298	1055	0901
192	2038	1683	1250	1010	0859
193	1994	1634	1201	0964	0816
194	1949	1583	1152	0918	0774
195 196 197 198 199	1902 1853 1803 1753 1701	1532 1480 1427 1373 1319	1102 1052 1001 .0951 .0900	0872 0826 0780 0733 0687	0731 0688 0646 0603
200	1648	1264	D849	Q641	.0518
201	1594	1209	D798	Q595	.0476
202	1539	1153	D748	Q549	.0434
203	1484	1097	D697	Q503	.0392
204	1427	1041	D646	Q458	.0351
2.05	1371	0985	.0596	A413	.0310
2.06	1314	0929	.0546	A368	.0269
2.07	1256	0873	.0496	A384	.0229
2.08	1198	0817	.0447	A280	.0190
2.09	1140	0761	.0398	A237	.0151
210	1081	0705	0350	0194	0112
211	1023	0649	0302	0152	0075
212	0964	0594	0255	0111	0037
213	0905	0539	0208	0070	0001
214	0847	0485	0162	0030	- 0035
215	0789	0431	0117	- 0009	- 0070
216	0731	0378	0072	- 0048	- 0104
217	0673	0325	0029	- 0085	- 0137
218	0615	0373	- 0014	- 0122	- 0170
219	0558	0822	- 0056	- 0158	- 0208
230	.0508	0172	0097	- 0193	- 0233
231	.0446	0122	0137	- 0227	- 0263
232	.0391	0073	0177	- 0260	- 0263
233	.0336	0025	0215	- 0293	- 0320
224	.0282	- 0022	0252	- 0324	- 0347
2.25	0333	0068	- D288	- 2354	- 0373

Wa	t	\
V∀.a.	łХ.	$r_I$

	W <sub>4</sub> (x,r)				
X		1,1	1.25	1.5	2.0
200000 200000 200000	2063 2073 2085 2086 2089	2095 2083 2069 2052 2054	1952 1919 1844 1848 1810	1576 1526 1475 1423 1370	0921 0863 0804 0747 0689
250 251 252 253 254	2090 2087 2083 2075 2066	.2013 .1990 .1966 .1939 .1911	1770 1730 1688 1645 1601	1317 1263 1209 1155 1100	.0632 .0575 .0519 .0463 .0408
235 236 237 238 239	2054 2040 2024 2005 1985	1881 1850 1817 1782 1746	1555 1509 1462 1465 1366	1046 0991 0936 0881 0826	0353 0300 0847 0194 0143
2.40 2.41 8.42 2.43 2.44	1963 1938 1912 1814 1855	1708 1670 1630 1589 1547	1317 1268 1218 1167 1116	0771 0717 0663 0609 0556	0092 0043 - 0006 - 0053 - 0100
245 246 247 248 249	1824 1791 1757 1721 1684	1504 1460 1415 1369 1323	1065 1014 0968 0911	0503 0450 0398 0347 0896	- Q145 - Q189 - Q233 - Q275 - Q315
250 251 255 255 255 255 255	1646 1607 1566 1525 1482	1276 1229 1181 1133 1084	0808 0756 0705 0654 0603	0246 0197 0149 0101 0054	0355 0393 0430 0466 0800
255 256 257 258 259	1439 1395 1350 1304 1258	1035 0986 0937 0887 0838	0553 0503 0453 0404 0356	0008 - 0036 - 0080 - 0123 - 0165	- Q534 - Q565 - Q596 - Q665
2.60 2.61 2.62 2.63 2.64	1211 1164 1116 1068 1020	.0788 .0739 .0690 .0641	0308 0261 0214 0168 0183	- 0206 - 0245 - 0284 - 0381 - 0357	- 0679 - 0704 - 0728 - 0750 - 0771
2.65 2.66 2.67 2.68 2.69	0972 0923 0874 0825 0777	0544 0496 0448 0401 0354	.0079 .0035 0007 0049	0392 0426 0458 0490 0520	- 0791 - 0809 - 0826 - 0841 - 0856
2.70 2.71 2.72 2.73 2.74	.0728 .0680 .0631 .0583 .0535	0308 0263 0218 0174 0130	0130 0168 0206 0243 0279	- 0549 - 0576 - 0603 - 0628 - 0651	- 0868 - 0880 - 0890 - 0899 - 0907
2.75 2.76 2.77 2.78 2.79	Q488 Q441 Q395 Q349 Q303	0088 0046 0005 - 0036 - 0075	- 0313 - 0347 - 0379 - 0410 - 0440	- 0674 - 0695 - 0715 - 0733 - 0751	- 0914 - 0919 - 0923 - 0926 - 0927
2.80 2.81 2.82 2.83 2.84	.0258 .0214 .0171 .0128 .0086 -	0113 0151 0187 0223 0257	- 0469 - 0497 - 0583 - 0549 - 0573	- 0757 - 0782 - 0795 - 0808 - 0819	- 0928 - 0927 - 0926 - 0923 - 0919
2.85 2.86 2.87 2.86 2.89	.0044 .0004 0036 0074 0112	- 0291 - 0323 - 0325 - 0385 - 0414	- 0596 - 0618 - 0638 - 0658 - 0676	- 0829 - 0837 - 0845 - 0851 - 0856	- 0915 - 0909 - 0902 - 0886
290 291 292 893 294	- 0149 - 0185 - 0220 - 0254 - 0287	- 0442 - 0469 - 0494 - 0519 - 0542	- 0693 - 0709 - 0723 - 0737 - 0749	- 0860 - 0865 - 0866 - 0866	- Q876 - Q866 - Q855 - Q843 - Q830
2.95 2.96 2.97 2.98 2.99	0319 0350 0380 0408 0436	- 0565 - 0586 - 0586 - 0625 - 0643	- 0760 - 0770 - 0779 - 0786 - 0793	- 0864 - 0862 - 0858 - 0854 - 0849	- 0817 - 0803 - 0788 - 0773 - 0757
3.00	- 2462	0659	- 0798	0843	- D740

W4(x, r)

X 3.0 4.0 6.0 8.0	W <sub>4</sub> (x, r)					
7 00 00	10.0					
225     0229     - 0068     - 0288     - 0354       226     0176     - 0113     - 0323     - 0383       227     0125     - 0157     - 0357     - 0411       228     0074     - 0200     - 0390     - 0438       229     0025     - 0241     - 0422     - 0464	0373 0399 0423 0447 0469					
230 - 0024 - 0282 - 0452 - 0489 - 0072 - 0321 - 0482 - 0513 232 - 0118 - 0360 - 0510 - 0536 233 - 0164 - 0397 - 0537 - 0558 234 - 0208 - 0433 - 0563 - 0578	- 0490 - 0511 - 0530 - 0548 - 0566					
235	- 0582 - 0597 - 0612 - 0625 - 0637					
240 - 0449 - 0621 - 0693 - 0679 241 - 0485 - 0648 - 0711 - 0692 242 - 0520 - 0674 - 0727 - 0704 243 - 0553 - 0698 - 0743 - 0715 244 - 0586 - 0721 - 0757 - 0734	- 2648 - 2658 - 2676 - 2684					
2.45     - 0.615     - 0.742     - 0.769     - 0.733       2.46     - 0.644     - 0.763     - 0.781     - 0.741       2.47     - 0.672     - 0.782     - 0.791     - 0.747       2.48     - 0.698     - 0.799     - 0.801     - 0.753       2.49     - 0.723     - 0.816     - 0.809     - 0.758	0690 0696 0700 0704 0706					
250	- 0708 - 0709 - 0709 - 0709 - 0707					
255    0844    0894    0835    0765       257    0874    0835    0763       258    0896    0905    0835    0760       259    0898    0909    0832    0757	- 2705 - 2702 - 2698 - 2693 - 2688					
2.60	- 0682 - 0675 - 0668 - 0660 - 0651					
2.65	- 0642 - 0632 - 0622 - 0611 - 0600					
2.70	- 0588 - 0576 - 0563 - 0553 - 0537					
2.75    0916    0830    0685    0578       2.76    0908    0817    0671    0575       2.77    0899    0804    0656    0560       2.78    0889    0790    0640    0544       2.79    0879    0776    0624    0529	- 0523 - 0509 - 0494 - 0479 - 0465					
280 - 0867 - 0761 - 0607 - 0513 281 - 0855 - 0745 - 0591 - 0496 282 - 0842 - 0729 - 0573 - 0480 283 - 0828 - 0712 - 0556 - 0463 284 - 0814 - 0695 - 0538 - 0446	0449 0434 0418 0403 0387					
285     - 0799     - 0677     - 0520     - 0429       286     - 0783     - 0659     - 0502     - 0412       287     - 0767     - 0640     - 0483     - 0395       288     - 0750     - 0622     - 0465     - 0377       289     - 0732     - 0602     - 0446     - 0360	- 0371 - 0355 - 0338 - 0382 - 0306					
290 - 0715 - 0583 - 0427 - 0342 291 - 0696 - 0563 - 0408 - 0325 292 - 0677 - 0543 - 0389 - 0307 293 - 0658 - 0502 - 0350 - 0272	- 0289 - 0273 - 0257 - 0241 - 0224					
295     - 0618     - 0481     - 0331     - 0254       896     - 0598     - 0460     - 0312     - 0237       297     - 0578     - 0440     - 0293     - 0219       298     - 0557     - 0419     - 0273     - 0202       299     - 0536     - 0398     - 0254     - 0185	- 0208 - 0192 - 0161 - 0161					
3.00 - 0.514 - 0.376 - 0.235 - 0.168	- 0129					

 $W_{\Delta}(x, r)$ 

	W <sub>4</sub> (x, r)				
X	i_	1.1	1.25	1.5	2.0
3.00 3.01 3.08 3.03 3.04	0462 0488 0512 0535 0557	0659 0675 0689 0702 0714	- 0798 - 0803 - 0806 - 0809 - 0810	0843 0836 0819 0810	0740 0743 0705 0687 0669
3.05 3.06 3.07 3.08 3.09	- 0578 - 0598 - 0616 - 0634 - 0650	- 0785 - 0735 - 0744 - 0751 - 0758	- 0810 - 0809 - 0808 - 0805 - 0802	0800 0789 0777 0764 0751	- 2650 - 2631 - 2611 - 2591 - 0571
310 311 312 313 314	- 0665 - 0679 - 0692 - 0704 - 0715	- 0763 - 0768 - 0771 - 0774 - 0775	- 0797 - 0792 - 0786 - 0779 - 0771	- 0738 - 0723 - 0709 - 0693 - 0677	0550 0530 0539 0488 0466
315 316 317 318 319	0725 0733 0741 0747 0753	0776 0776 0774 0772 0769	- 0763 - 0754 - 0754 - 0733 - 0733	0661 0644 0637 0609 0591	- 0445 - 0424 - 0402 - 0381 - 0359
5531 5533 5533 5533	0757 0761 0763 0765 0765	0765 0760 0754 0748 0741	0710 0698 0685 0671 0657	- 0573 - 0554 - 0535 - 0516 - 0497	- 0338 - 0316 - 0295 - 0274 - 0253
3367 3339 3339 3339	- 9765 - 9763 - 9761 - 9758 - 9754	- 0733 - 0724 - 0715 - 0705 - 0694	- 0642 - 0627 - 0612 - 0596 - 0580	- 0478 - 0458 - 0438 - 0418 - 0398	0832 0811 0190 0170 0150
530 331 532 333 534	0749 0744 0737 0730 0723	- 0683 - 0671 - 0659 - 0646 - 0633	0563 0546 0529 0511 0493	0378 0358 0338 0318 0398	- £130 - £110 - £0072 - £0073 - £0053
3367 3337 3339 3339	- 0714 - 0705 - 0695 - 0685 - 0673	0619 0605 0590 0575 0559	0475 0457 0439 0420 0402	0278 0258 0238 0219 0199	0035 0017 .0001 .0018 .0035
3.40 3.41 3.43 3.43 3.44	0662 0650 0637 0624 0610	0543 0527 0511 0494 0477	- 0383 - 0364 - 0346 - 0327 - 0308	- 0180 - 0161 - 0142 - 0123 - 0105	0058 0068 0083 0099 0114
345 346 347 348 349	- 0596 - 0581 - 0566 - 0551 - 0535	0460 0442 0425 0407 0389	- 0289 - 0271 - 0252 - 0233 - 0215	0087 0069 0051 0034 0017	.0128 .0142 .0155 .0168 .0181
3.51 3.52 3.53 3.54	0519 0503 0487 0470 0453	0372 0354 0336 0318 0300	- 0197 - 0178 - 0160 - 0143 - 0185	0001 .0016 .0031 .0047 .0062	.0193 .0204 .0215 .0226 .0236
5567 5557 5555 5555 5555	0436 0419 0401 0384 0366	0882 0264 0246 0228 0210	0108 0091 0074 0057 0041	0077 0091 0105 0118 0131	.0245 .0254 .0263 .0271 .0278
3.60 3.61 3.68 3.63 3.64	- 0348 - 0331 - 0313 - 0395 - 0377	- 0193 - 0175 - 0158 - 0141 - 0124	0025 0009 .0006 .0021	0144 0156 0168 0179 0190	0285 0292 0298 0303 0308
3.65 3.66 3.67 3.68 3.69	0260 0242 0224 0207 0190	0107 0091 0075 0059 0043	.0050 .0064 .0078 .0091 .0104	0800 0810 0830 0839 0837	0313 0317 0321 0324 0327
3.70 3.71 3.72 3.73 3.74	- 0172 - 0155 - 0139 - 0122 - 0105	0028 0012 .0002 .0017 .0031	.0116 .0129 .0140 .0151 .0162	.0245 .0253 .0266 .0266	.0389 .0331 .0332 .0333 .0334
3.75	0089	.0045	.0172	.0278	.0334

W<sub>4</sub>(x, r)

		$W_4(x,r)$				
100	X	3.0	4.0	6.0	8.0	10.0
206	3.02 3.03	- 0493 - 0472 - 0450	- 0358 - 0334 - 0313	- 0217   - 0198   - 0179	- 0151 - 0134 - 0118	- £114 - £099 - £084
111	3.06	0385	- 0251	- 0125	- 0070	0041
	3.07	0363	- 0230	- 0107	- 0054	0027
	3.08	0341	- 0210	- 0090	- 0039	0013
116	311	- 0276	- 0150	0039	0005	0026
	312	- 0255	- 0130	0023	0019	0039
	313	- 0234	- 0111	0007	0033	0051
321	316	0171	- 0055	.0039	0072	.0086
	317	0151	- 0037	.0054	0085	.0097
	318	0130	- 0019	.0068	0097	.0107
326	3.21	0072	0032	0108	0130	0137
	3.22	0053	0048	0121	0141	0146
	3.23	0034	0064	0133	0151	0155
331	326 327 328 329	0020 0037 0054	0109 0123 0137	0167 0178 0188	0179 0187 0196	0179 0186 0193
3356	331	0101	0175	0215	.0217	.0211
	332	0116	0187	0223	.0224	.0216
	333	0131	0198	0231	.0230	.0221
3A1	336	0171	0229	0252	.0246	.0234
	337	0184	0239	0258	.0250	.0238
	338	0196	0248	0264	.0254	.0241
3.46         0.275         0.301         0.295         0.273         0.253           3.47         0.282         0.310         0.295         0.274         0.253           3.48         0.290         0.310         0.298         0.274         0.253           3.49         0.296         0.311         0.298         0.274         0.253           3.50         0.302         0.312         0.298         0.274         0.253           3.51         0.308         0.320         0.273         0.250           3.51         0.302         0.320         0.273         0.250           3.52         0.313         0.322         0.2273         0.250           3.52         0.313         0.3224         0.299         0.273         0.244           3.53         0.318         0.3224         0.299         0.271         0.244           3.54         0.322         0.326         0.326         0.326         0.327         0.3244           3.55         0.322         0.3227         0.3293         0.3265         0.2336         0.2336           3.57         0.3334         0.3227         0.3291         0.3260         0.2336         0.2336	3.41	.0229	D271	.0278	.0264	.0248
	3.42	.0239	D278	.0282	.0266	.0250
	3.43	.0249	D285	.0285	.0269	.0251
351	3.46	.0275	0301	.0293	.0273	.0253
	3.47	.0282	0306	.0295	.0274	.0254
	3.48	.0390	0310	.0297	.0274	.0253
3.56	3.51	.0308	0380	0898	0273	.0251
	3.52	.0313	0388	0899	0272	.0250
	3.53	.0318	0384	0899	0271	.0248
0356	3.56	.0329	0327	.0295	0363	0242
	3.57	.0331	0327	.0293	0363	0239
	3.58	.0334	0327	.0291	0365	0236
326	3.61	0338	0324	.0285	.0251	.0226
	3.62	0338	0322	.0280	.0247	.0223
	3.63	0338	0320	.0276	.0243	.0219
3.71	3.66	0336	.0312	0264	.0230	.0206
	3.67	0335	.0309	0260	.0226	.0202
	3.68	0333	.0305	0255	.0231	.0197
3.75 D310 D272 D317 D183 D161	3.71 3.72 3.73	.0325 .0322 .0318	0883 0888 0898	.0340 .0334 .0329	### ##################################	0182 0177 0172
	3.75	.0310	.0272	.0217	£183	0161

			W4(x, r)		
X		1,1	1.25	1.5	2.0
3.75 3.76 3.77 3.78 3.79	- 0089 - 0073 - 0057 - 0042 - 0087	.0045 .0058 .0072 .0084 .0097	.0172 .0182 .0192 .0201 .0210	0278 0283 0283 0283 02893	.0334 .0334 .0333 .0338 .0330
3.80 3.81 3.82 3.83 3.84	- 0012 0003 0017 0031 0045	0109 0120 0132 0142 0153	0218 0226 0233 02340 0246	9300 9303 9306 9308 9309	0329 0326 0324 0321 0318
3.85 3.86 3.87 3.88 3.89	0058 0071 0085 0096 0107	0163 0172 0188 0190 0199	.0 25 2 .0 25 8 .0 26 3 .0 26 8 .0 27 2	0311 0312 0312 0312 0312	.0314 .0311 .0307 .0302 .0298
3.90 3.91 3.92 3.93 3.94	0119 0130 0141 0151 0161	.0307 .0214 .0221 .0228 .0234	0276 0279 0285 0285 0287	0312 0311 0309 0308	0293 0287 0282 0276 0271
395 396 397 399 399	0179 0179 0188 0196 0204	.0240 .0246 .0251 .0255 .0260	02891 0292 0292 0292	0303 0301 0298 0295 0891	0265 0258 0258 0252 0245
4.00 4.01 4.02 4.03 4.04	.0 2 1 2 .0 2 1 9 .0 2 3 5 .0 2 3 1 .0 2 3 7	.0264 .0267 .0270 .0273 .0275	0293 0292 0292 0291 0291	0287 0283 0279 0274 0270	0232 0235 0218 0210 0203
4.05 4.06 4.07 4.08 4.09	0242 0247 0252 0256 0260	.0277 .0278 .0279 .0280 .0281	.0288 .0286 .0283 .0281 .0278	\Omega & 65 \Omega & 859 \Omega & 854 \Omega & 848 \Omega & 448	0196 0188 0181 0173 0165
410 411 412 413 414	0263 0266 0269 0271 0273	0281 0280 0280 0279 0278	0275 0271 0268 0264 —	0236 0230 0224 0218 0211	.0158 .0150 .0142 .0134 .0127
4.15 4.16 4.17 4.18 4.19	.0 2 7 4 .0 2 7 6 .0 2 7 7 .0 2 7 7	0276 0274 0272 0270 0267	0255 0251 0246 0241 0236	0204 0198 0191 0184 0177	0119 0111 0103 0096 0088
420 421 422 423 424	0276 0276 0275 0274 0272	0264 0261 0257 0254 0250	0230 0225 0213 0207	D170 D163 D155 D148 D141	.0081 .0073 .0066 .0058 .0051
4.25 4.26 4.27 4.28 4.29	.0270 .0268 .0265 .0263	0246 0241 0237 0232 0237	.0201 .0195 .0189 .0182 .0176	0134 0126 0119 0113 0105	.0044 .0037 .0030 .0033 .0016
430 431 432 433 433	.0 2 5 7 .0 2 5 4 .0 2 5 0 .0 2 4 6 .0 2 4 2	0222 0217 0211 0206 0200	.0169 .0163 .0156 .0149 .0143	8 9 0 0 0 9 0 0 2 8 0 0 3 7 0 0 9 8 0 0	0010 0003 - 0003 - 0009 - 0015
435 436 437 438 439	0238 0233 0229 0224 0219	0194 0188 0182 0176 0170	0136 0129 0122 0115 0109	D 0 6 2 D 0 5 5 D 0 4 9 D 0 4 2 D 0 3 5	- 0021 - 0027 - 0033 - 0038 - 0043
440 441 442 443 444	0214 0208 0203 0197 0191	0164 0158 0151 0145 0138	0102 0095 0088 0082 0075	0029 0022 0016 0010 0004	- 0048 - 0053 - 0058 - 0063 - 0067
4.45 4.46 4.47 4.48 4.49	0186 0180 0174 0168 0161	0133 0125 0119 0112 0106	0068 0062 0055 0049	0002 0008 0014 0019 0085	0071 0076 0079 0083 0087
4.50	.0155	.0099	.0036	- D030	0090

 $W_4(x,r)$ 

			W <sub>4</sub> (x, r)		
X	3.0	4.0	6.0	8.0	10.0
3.75	0310	0272	0217	0183	0161
3.76	0306	0266	0211	0177	0155
3.77	0301	0260	0205	0172	0150
3.78	0296	0254	0198	0166	0144
3.79	0291	0248	0192	0159	0138
3.80	Ω286	0242	0186	0153	0132
3.81	Ω280	0235	0179	0147	0127
3.82	Ω274	0238	0172	0141	0121
3.83	Ω268	0222	0166	0135	0115
3.84	Ω262	0215	0159	0138	0109
3.85	0255	0308	D152	0122	0103
3.86	0248	0300	D145	0116	0097
3.87	0242	0193	D138	0109	0091
3.88	0235	0186	D131	0103	0086
3.89	0227	0178	D124	0097	0080
390	0220	0171	0117	2090	0074
391	0213	0164	0111	2084	0068
392	0205	0156	0104	2078	0063
393	0196	0148	0097	2071	0057
394	0190	0141	0090	2065	0051
3.95	0183	0133	2083	D059	0046
3.96	0175	0126	2076	D053	0040
3.97	0167	0118	2070	D047	0035
3.98	0159	0111	2063	D041	0029
3.99	0152	0103	2056	D035	0024
4.00	0144	0095	.0050	0030	0019
4.01	0136	0088	.0043	0024	0014
4.02	0128	0081	.0037	0018	0009
4.03	0120	0073	.0031	0013	0004
4.04	0112	0066	.0025	0008	- 0001
4.05 4.06 4.07 4.08 4.09	0105 0097 0089 0081 0074	0059 0052 0045 0038 0031	0019 0013 0007 0001 - 0005	0002 - 0003 - 0008 - 0013 - 0018	- 0052 - 0010 - 0010 - 0000
410	.0066	0024	- 0010	- 0022	- 0027
411	.0059	0018	- 0015	- 0027	- 0031
412	.0052	0011	- 0021	- 0031	- 0035
413	.0044	0005	- 0026	- 0036	- 0039
414	.0037	- 0001	- 0031	- 0040	- 0043
415	0030	- 0008	0035	- 0044	0046
416	3023	- 0013	0040	- 0048	0050
417	0016	- 0019	0045	- 0051	0053
418	0010	- 0035	0049	- 0055	0056
419	0003	- 0030	0053	- 0058	0059
420	0003	- 0036	- 0057	- 2062	- 0062
421	0009	- 0041	- 0061	- 2065	- 0065
422	0016	- 0046	- 0065	- 2068	- 0067
423	0022	- 0051	- 0068	- 2071	- 0070
424	0027	- 0056	- 0072	- 2074	- 0072
425	- 0033	- 0060	- 0075	- 0076	0074
426	- 0039	- 0065	- 0078	- 0079	0076
427	- 0044	- 0069	- 0081	- 0081	0078
428	- 0049	- 0073	- 0084	- 0083	0080
429	- 0054	- 0077	- 0086	- 0085	0081
430	- 0059	0080	- 0089	- 0087	- 0083
431	- 0064	0084	- 0091	- 0088	- 0084
438	- 0068	0087	- 0093	- 0090	- 0085
433	- 0072	0090	- 0095	- 0091	- 0086
434	- 0076	0093	- 0097	- 0093	- 0087
435 436 437 438 439	- 0080 - 0084 - 0088 - 0091 - 0094	- 0096 - 0099 - 0101 - 0103 - 0106	0099 0100 0102 0103 0104	- 2094 - 2095 - 2096 - 2096 - 2097	- 0088 - 0089 - 0090 - 0090
4.40	- 0097	- 0107	- 0105	8 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0091
4.41	- 0100	- 0109	- 0106		- 0091
4.42	- 0103	- 0111	- 0106		- 0091
4.43	- 0105	- 0112	- 0107		- 0091
4.44	- 0108	- 0113	- 0107		- 0090
4.45 4.46 4.47 4.48 4.49	- 0110 - 0112 - 0114 - 0115 - 0117	- 0115 - 0115 - 0116 - 0117 - 0117	0107 0107 0107 0107 0107	- 0098 - 0098 - 0097 - 0097 - 0096	- 0000 - 0000 - 0000 - 0000 - 0000 - 0000
4.50	- £118	0118	0106	- 2096	- D087

_			W4(x, r)		
X		1,1	1.25	1.5	2.0
4.50 4.51 4.52 4.53 4.54	.0155 .0149 .0143 .0136 .0130	.0093	0036 0030 0024 0018 0012	0030 0035 0040 0045 0050	- 0090 - 0096 - 0099 - 0108
4.55 4.56 4.57 4.58 4.59	0123 0117 0111 0104 0098	.0067 .0061 .0055 .0048	.0007 .0001 0005 0010	- 0054 - 0058 - 0063 - 0067 - 0070	0104 0107 0109 0111 0118
4.50 4.51 4.52 4.53 4.54	0091 0085 0079 0078 0066		- 0020 - 0025 - 0035 - 0040	0074 0078 0081 0084 0087	- 0114 - 0115 - 0117 - 0118 - 0119
4.65 4.66 4.67 4.68 4.69	0060 0054 0048 0042 0036	0008 00003 - 0003 - 0008 - 0013	- 0044 - 0048 - 0053 - 0057 - 0060	- 0090 - 0093 - 0095 - 0097 - 0100	0119 0130 0120 0121 0131
4.70 4.71 4.72 4.73 4.74	.0030 .0024 .0018 .0013 .0007	- 0018 - 0023 - 0028 - 0032 - 0037	- D064 - D068 - D071 - D074 - D077	- 0108 - 0103 - 0105 - 0107 - 0108	0181 0121 0120 0130 0119
4.75 4.76 4.77 4.78 4.79	0002 - 0003 - 0008 - 0013 - 0018	- 0041 - 0045 - 0049 - 0053 - 0057	0080 0083 0085 0090	0109 0111 0112 0112	0119 0118 0117 0116 0114
4.80 4.81 4.82 4.83 4.84	- 0023 - 0028 - 0032 - 0036 - 0041	0061 0064 0067 0070	- 0092 - 0094 - 0096 - 0099	0113 0113 0113 0113 0113	0113 0112 0110 0109 0107
4.85 4.86 4.87 4.88 4.89	- 0045 - 0049 - 0053 - 0056 - 0060	0076 0079 0081 0084 0086	- 0101 - 0102 - 0103 - 0104 - 0104	0113 0112 0111 0110	0105 0103 0101 0099 0097
4.90 4.91 4.92 4.93 4.94	- 2063 - 2066 - 2069 - 2072 - 2075	- 0088 - 0090 - 0092 - 0093 - 0095	- 0105 - 0105 - 0106 - 0106	- 0109 - 0108 - 0107 - 0106 - 0105	0095 0092 0090 0088 0085
495 496 497 498 499	0078 0080 0083 0085	- 0095 - 0097 - 0098 - 0099	- 0106 - 0106 - 0106 - 0105 - 0105	- 0103 - 0102 - 0100 - 0099 - 0097	0083 0080 0078 0075 0072
5.00	0089	0101	0104	,0095	0070

		<del></del>	W4(x, r)		
X	3.0	4.0	6.0	8.0	0.01
450 451 452 453 454	- 0118 - 0119 - 0120 - 0121 - 0121	- D118 - D118 - D118 - D118 - D117	0106 0106 0105 0104 0103	- 0096 - 0095 - 0094 - 0093 - 0098	0087 0086 0085 0084 0083
455 456 457 458 459	- 0122 - 0122 - 0122 - 0122 - 0122	- 0117 - 0116 - 0115 - 0115	- 0102 - 0101 - 0100 - 0099 - 0097	- 0091 - 0089 - 0088 - 0087 - 0085	0082 0081 0079 0078 0076
4.50 4.51 4.63 4.53 4.54	0122 0121 0120 0119	- 0113 - 0113 - 0111 - 0109 - 0108	0096 0094 0093 0091 0089	0084 0083 0080 0078 0077	- 0075 - 0073 - 0071 - 0070 - 0068
4.55 4.56 4.57 4.58 4.69	- 0118 - 0117 - 0116 - 0114 - 0113	- 0106 - 0105 - 0103 - 0101 - 0099	- 0087 - 0085 - 0083 - 0081 - 0079	- 0075 - 0073 - 0071 - 0069 - 0067	0066 0064 0062 0061 0059
4.70 4.71 4.72 4.73 4.74	- 0111 - 0110 - 0108 - 0106 - 0104	0097 0095 0093 0088	- 0077 - 0075 - 0072 - 0070 - 0068	- 0065 - 0063 - 0060 - 0058 - 0056	0057 0055 0053 0050 0048
4.75 4.76 4.77 4.78 4.79	- 0102 - 0100 - 0098 - 0096 - 0093	- 0086 - 0084 - 0081 - 0079 - 0076	- 0066 - 0063 - 0061 - 0058 - 0056	- 0054 - 0053 - 0049 - 0047 - 0045	0046 0044 0042 0040 0038
4.80 4.81 4.82 4.83 4.84	- 0091 - 0089 - 0086 - 0083 - 0081	- 0074 - 0071 - 0068 - 0066	- 0053 - 0051 - 0048 - 0046 - 0043	- 2042 - 2040 - 2038 - 2035 - 2033	0036 0034 0032 0027
485 486 487 488 489	- 0078 - 0076 - 0073 - 0070 - 0067	- 0060 - 0058 - 0055 - 0055 - 0049	- 0041 - 0038 - 0036 - 0033 - 0031	- 0031 - 0029 - 0027 - 0024 - 0022	- 0025 - 0023 - 0021 - 0019 - 0017
490 491 492 493 494	- 0065 - 0062 - 0059 - 0056 - 0053	0047 0044 0041 0038 0036	- 0028 - 0026 - 0024 - 0021 - 0019	- 0020 - 0018 - 0016 - 0013 - 0011	- 0015 - 0013 - 0011 - 0009 - 0007
495 496 497 498 499	- 0050 - 0048 - 0045 - 0042 - 0039	- 0033 - 0030 - 0028 - 0025 - 0022	- 0017 - 0014 - 0018 - 0010 - 0007	- 2009 - 2007 - 2005 - 2003 - 2001	0006 0004 0008
5.00	- 2036	- 2080	- 2005	2000	2003

			W <sub>5</sub> (x, r)		
X	1	1.1	1.25	1,5	2.0
00	50000000	1.54937670	2.66092089	3.77629668	4.73877660
01	61998751	1.64138668	2.70859486	3.75863694	4.53320287
02	73732796	1.72940576	2.75148894	3.73646912	4.51521420
03	85184477	1.81333970	2.78960652	3.70989589	4.40498002
04	96337021	1.89310391	2.82295989	3.67902616	4.29266907
05	107174557	196862346	285157010	3.54397475	417845202
06	117682130	203983301	287546668	3.60486207	406250057
07	127845712	210667674	289468748	3.56181378	394498710
08	137652211	216910828	290927841	3.51496047	382608435
09	147089480	822709063	291929318	3.46443734	370596509
10	1.56146321	228059601	292479308	341038380	358480177
11	1.64812487	232960575	292584666	335294319	346876629
12	1.73078685	237411012	292252949	329226242	334002959
13	1.90936575	241410821	291492389	32849162	321676144
14	1.88378766	244960771	290311859	316178378	309313009
15	195398813	2.48062474	2.887 20848	3.09829446	296930203
16	201991208	2.50718365	2.867 29425	3.02018139	284544166
17	208151375	2.52931680	2.84348216	2.94560417	272171108
18	213875657	2.54706431	2.81588363	2.86872393	259826980
19	219161309	2.56047388	2.78461502	2.78970301	247527452
20	224006477	2.56960049	2.74979722	2.70870457	235287884
21	228410193	2.57450617	2.71155539	2.62589238	223123309
22	238372351	2.57525972	2.67001859	2.54143038	211048408
23	235893694	2.57193644	2.62531951	2.45548246	199077491
24	238975791	2.56461788	2.57759407	2.36821212	187224475
25	2.41621024	255339148	2.52698115	227978218	1.75502869
26	2.43832559	253835039	2.47362225	219035446	1.63925753
27	2.45614327	251959305	2.41766117	210008956	1.52505764
28	2.46971002	249722299	2.35924367	300914650	1.41255081
29	2.47907974	247134845	2.29851717	191768254	1.30185410
30	2.48431326	8.44208215	223563048	1.82585286	119307973
31	2.48547803	2.40954088	217073323	1.73381035	1.08633492
38	2.48264794	2.37384530	210397610	1.64170534	.98178184
33	2.47590395	2.333511953	203550996	1.54968539	.87933749
34	2.46532886	2.29349090	196548589	1.45789507	.77927362
35	245101708	824908963	1.89405478	136647574	£8161664
36	245306400	220204849	1.82136707	127556537	.58644762
37	241157136	215250250	1.74757250	118529832	.49384218
38	238664528	210058867	1.67281981	109580521	.40387047
39	235839631	2.04644561	1.59725647	100721269	.31659718
.40 .41 .42 .43	232693903 229239177 225487627 221451741 217144289	1.990 21332 1.93203282 1.8720459 1.81039488 1.74722201	1.52102846 1.44428000 1.36715332 1.28978842 1.21232290	91964334 83321552 74804318 56423581 58189829	23208146 15037699 07153193 - 00441103 - 07741470
45	212578291	1.68266982	113489166	50113079	- 14744725
46	207766989	1.61688025	105762680	A2202870	- 21448227
47	802723814	1.54999467	98065736	34468251	- 27849865
48	197462360	1.48215354	90410917	26917780	- 33948054
49	191996349	1.41349622	82810468	19559515	- 39741728
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5567 555 559	1.55682406 1.49173775 1.42571701 1.35889835 1.29141694	99201353 92140053 8510179 78098505 71141788	38988728 32080158 25310019 18686908 12218976	- 20166461 - 25996362 - 31587922 - 36937666 - 42042617	68112382 71786264 75164642 78250666 81047892
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01	0062
06 398084901 3.70252866 3.21426004 2.86098440 2.5985	7983 5925
0.7	2758 9353 9412
10         329988214         297628620         250490838         219483823         19749           11         313497785         280373647         233916237         204038976         18308           12         297245246         263493825         217808933         189076020         15916           13         281242112         246995762         202170064         174593558         15570           14         265499481         230885621         187000376         160589859         14271	8584 0272 3867
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31	5315 2492 4390 5488 0004
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€

W<sub>5</sub>(x, r)

		W <sub>5</sub> (x,		1 00
X	1 00774004	- 25789183653174	1.5	2.0
75 76 77 78 79	22336904 16300297 10395480 04530029 00988901	- 30544609 - 683514 - 35111481 - 711626 - 39486014 - 737517 - 43664863 - 761194	408 - 90770358 572 - 91485225 746 - 91982785	- 89516573 - 88093628 - 86505626 - 84760862
.8 0 .8 1 .8 2 .8 3 .8 4	- 06454587 - 11760733 - 16901479 - 21871400 - 26665506	47645120	372 - 92223478 118 - 91904915 741 - 91396793	82867693 808345165 786691875 76381875 73979286
&5 &6 &7 &8 &9	- 31279247 - 35708504 - 35949555 - 43999267 - 47854697	- £4495742857736 - £7247229866473 - £9791563873194 74129122877940 74260663980752	309 - 88798081 - 87595587 - 86236266	- 71470419 - 68863662 - 66167357 - 63389786 - 60539158
.90 91 .92 93 94	- 51513484 - 54973646 - 58233616 - £1292234 - £4148738	76187307881675 77910529880756 794321538780.43 80754333873589 81879546867447	516 - 81287548 564 - 79371588 552 - 77334543	- 57623594 - 54651117 - 51629638 - 48566946 - 45470694
95 96 97 98 99	66802764 69254330 71503831 73552030 75400048	82810581859672 83550524850321 84102746839452 84470893827129 84658868813408	70570437 68122678 65590687	- 42348393 - 39207398 - 36054898 - 32897911 - 29743272
1.00 1.01 1.02 1.03 1.04	- 77049353 - 78501751 - 79759376 - 80824674 - 81700396	- 84670823 - 798358 - 84511142 - 782033 - 84184430 - 764506 - 83695495 - 745839 - 83049341 - 726098	559 - 57562570 533 - 54766653 532 - 51922715	- 26597624 - 23467415 - 20358886 - 17278067 - 14230771
1.05 1.06 1.07 1.08 1.09	- 82389585 - 82895561 - 83221913 - 83372482 - 83351351	- 82251148 - 705349 - 81306262 - 683659 - 80220178 - 661094 - 78998530 - 637721 - 77647073 - 613608	039 - 43172530 664 - 40205727 199 - 37224939	- 11222589 - 08258884 - 05344788 - 02485194 00315238
1.10 1.11 1.12 1.13 1.14	- 83162830 - 82811443 - 823019160 - 81639160 - 80828264	- 76171673 - 588819 - 74578291 - 563421 - 73872971 - 537481 - 71061825 - 511063 - 69161021 - 484231	199 - 28262220 159 - 25288274 529 - 22330934	Q3052098 Q5721211 Q8318655 10840750 13284067
115 116 117 118 119	- 79874478 - 78783180 - 77559913 - 76210318 - 74740147	- 67146770 - 457050 - 65055314 - 429581 - 62882910 - 401888 - 60635822 - 374030 - 58320308 - 346067	167 - 13613755 314 - 10777099 025 07983214	15645423 17921883 20110762 22809618 24216255
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1.25 1.26 1.27 1.28 1.29	- 637198 - 615728 - 593529 - 570675 - 547819	- 433369 - 179263 - 407146 - 152121 - 380724 - 125300 - 354159 - 098846 - 327507 - 072803	123162 145422 166886	342267 355464 367647 378817 388972
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135 136 137 138 139	- 397240 - 371251 - 345130 - 318932 - 392711	- 168756 072611 - 142957 094710 - 117471 116115 - 092341 136802 - 067609 156745		A28919 A32166 A34475 A35861 A36344
1.40 1.41 1.42 1.43 1.44	- 266518 - 340405 - 214423 - 188616 - 163035	- 043313 175983 - 019491 194315 003880 211903 026587 288678 048778 244608	365474 374229 388046	.435944 .434680 .432576 .429654 .425940
1.45 1.46 1.47 1.48 1.49	- 137723 - 112724 - 089081 - 063833 - 040019	070362 259695 091311 273927 111599 287295 131200 299792 150093 311414	399935 404076 407325	A21458 A16236 A10301 A03680 396402
1.50	016675	168257 322158	411205	388499

 $W_5(x, r)$ 

			W <sub>5</sub> (x, r)		
×	3.0	4.0	6.0	8.0	10.0
.75	- £8794607	- 52858918	- 35653099	- 27056115	- 22004885
.76	- £6239824	- 50083893	- 33003053	- 24622477	- 19762342
.77	- £3589796	- 47254583	- 30335261	- 22185940	- 17524132
.78	- £0853591	- 44379444	- 27656869	- 19752709	- 15295784
.79	- £8040159	- 41466748	- 24974798	- 17328759	- 13082609
80	- 55158319	- 38524570	- 22395737	- 14919836	- 10889693
81	- 52216750	- 35560778	- 19626137	- 12531450	- 08721898
82	- 49223979	- 32583029	- 16972210	- 10168876	- 06583860
83	- 46188366	- 29598756	- 14339922	- 07837149	- 04479988
84	- 43118102	- 26615168	- 11734995	- 05541066	- 02414460
85	- 40021192	- 23639237	09162898	03285182	00391231
86	- 36905449	- 20677700	06628849	01073810	.01585975
87	- 33778486	- 17737046	04137812	.01088976	.03513664
86	- 30647705	- 14823517	01694497	.03199349	.05388564
89	- 27520293	- 11943101	.00696644	.05253719	.07207632
90	- 24403212	09101530	03031415	07848737	.08968047
91	- 21303195	06304277	05305875	09181294	.10667212
92	- 18226738	03556550	07516340	11048519	.12308749
93	- 15180096	00863297	09659381	12847775	.13872500
94	- 12169277	.01770803	11731821	14576659	.15374519
95	- 09200040	04341337	13730737	16832999	16807076
96	- 06277887	06844159	15653456	17814850	18168645
97	- 03408064	09275390	17497552	19320493	19457909
98	- 00595558	11631420	19260844	20748428	20573751
99	02154908	13908902	20941392	22097378	21815252
1.00	04838878	16104758	22537495	23366256	32881685
1.01	07452156	18216171	24047687	24554220	23872513
1.02	09990814	20240584	25470732	25660606	24787382
1.03	12451192	22175702	26805618	26684957	25626118
1.04	14829894	24019482	28051556	27627008	26388719
1.05	17123789	25770136	29207974	28486685	27075353
1.06	19330010	27426125	30274510	29264096	27686351
1.07	21445952	28986153	31251008	29959526	28222202
1.08	23469271	30449165	32137510	30573434	28683547
1.09	25397878	31814342	32934256	31106442	29071173
110	27229943	33081096	33641671	31559333	29386007
111	28963881	34249063	34260363	31933045	29629111
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123	418656	407087	352045	307636	274941
124	422861	406509	347956	302512	269512
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126	.428389	402863	337854	290679	257288
127	.429745	399842	331893	284019	250542
128	.430188	396054	325359	276898	243403
129	.429736	391525	318280	269342	235897
130	428413	386281	310684	261375	228048
131	426240	380350	302597	253025	219881
132	423242	373759	294049	244317	211419
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134	414871	.358717	275681	225937	193712
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136	403512	341389	255809	206445	175183
137	396782	331945	245381	196348	165558
138	389392	322022	234664	186052	155845
139	381371	311650	223687	175584	146908
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1.45	321748	241784	153940	110559	085650
1.46	310193	229161	141927	099580	075573
1.47	298263	216340	129873	088623	065547
1.48	285990	203353	117805	077709	055590
1.49	273407	190230	105748	066861	045783
1.50	260545	177000	.093725	.056099	.035963

			W <sub>5</sub> (x, r)	· · · · · · · · · · · · · · · · · · ·	·
X	1 .	1.1	1.25	1.5	2.0
1.50	- 0166	1682	3321	A118	3884
1.51	0061	1887	3320	A119	3800
1.52	0284	2083	3410	A117	3709
1.53	0502	2182	3491	A108	3613
1.54	0713	2333	3564	A090	3512
1.58	0918	2475	3687	4065	3406
1.56	1117	2610	3683	4032	3296
1.57	1308	2736	3789	3998	3182
1.58	1493	2855	3768	3945	3063
1.59	1671	2964	3798	3892	2942
1.60	1841	3066	3820	3838	2817
1.61	2004	3159	3833	3766	2690
1.62	2159	3244	3839	3693	2560
1.63	2306	3320	3838	3616	2428
1.64	2445	3388	3829	3533	2894
1.65	2576	3448	3612	3445	2158
1.66	2700	3500	3789	3352	2021
1.67	2815	3544	3758	3254	1883
1.68	2923	3580	3781	3153	1745
1.69	3021	3608	3678	3047	1606
1.70	3111	3628	3628	2938	1467
1.71	3193	3641	3572	2825	1328
1.72	3268	3646	3511	2710	1190
1.73	3334	3645	3444	2592	1052
1.74	3392	3636	3372	2471	0915
1.75	3448	3620	3295	2349	0780
1.76	3484	3597	3213	2224	0546
1.77	3519	3568	3127	2098	0514
1.78	3545	3832	3036	1971	0384
1.79	3564	3491	2942	1842	0255
1.80	3576	3443	2844	1713	D130
1.81	3581	3390	2743	1584	D006
1.82	3578	3332	2639	1454	- D115
1.83	3578	3368	2531	1324	- D332
1.84	3558	3199	2422	1195	- D347
1.85	3529	3126	2310	1066	- 0459
1.86	3500	3048	2196	.0938	- 0567
1.87	3464	2966	2081	.0811	- 0671
1.88	5423	2880	1964	.0686	- 0772
1.89	3376	2791	1846	.0562	- 0870
190 191 192 193 194	5325 53265 53202 53062	2698 2601 2502 2401 2397	1727 1607 1487 1366 1246	0439 0319 0200 0084 - 0030	0963 - 10538 - 11320 - 1297
195	29 85	2191	1126	- 0141	- 1370
196	29 0 4	2083	1007	- 0249	- 1439
197	28 19	1973	.0888	- 0355	- 1504
198	27 31	1862	.0770	- 0457	- 1564
199	26 39	1750	.0654	- 0556	- 1619
201 201 203 204	&5 45 &4 47 &3 47 &2 45 &1 41	1637 1524 1410 1296 1182	0538 0425 0313 0203 0095	0652 0745 0834 0919 1001	- 1671 - 1718 - 1761 - 1799 - 1833
205 206 207 208 209	2034 1927 1818 1708 1597	1068 .0955 .0842 .0731 .0620	- 0011 - 0114 - 0214 - 0318 - 0408	- 1078 - 1152 - 1223 - 1289 - 1351	- 1863 - 1909 - 1986 - 1939
210	1485	0511	- 0500	- 1409	- 1948
211	1373	0403	- 0589	- 1463	- 1953
212	1261	0897	- 0675	- 1513	- 1954
213	1149	0193	- 0758	- 1559	- 1952
214	1038	0091	- 0837	- 1601	- 1945
215	0927	- 0009	- 0913	- 1639	- 1935
216	0816	- 0107	- 0985	- 1673	- 1922
217	0707	- 0802	- 1054	- 1703	- 1905
218	0599	- 0295	- 1119	- 1729	- 1865
219	0492	- 0385	- 1181	- 1751	- 1861
220 221 222 233 224	0386 0282 0180 0080	- 0472 - 0557 - 0638 - 0791	- 1239 - 1293 - 1344 - 1390 - 1433	- 1769 - 1783 - 1794 - 1801 - 1804	- 1835 - 1805 - 1773 - 1738 - 1701
2.25	0114	0863	- 1473	- 1803	- 1661

147	,	•
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1.50		$W_5(x,r)$					
151	X	3.0	4.0	6.0	8.0	10.0	
146	1.51	2475	1637	£818	0455	.0263	
	1.52	2342	1503	£699	0349	.0168	
	1.53	2206	1370	£581	0245	.0075	
1.61	1.56	1794	.0970	0236	- 0056	0194	
	1.57	1654	.0838	0125	- 0152	0279	
	1.58	1515	.0707	0015	- 0246	0363	
1.66	1.51 1.62 1.63	1097 .0959 .0822	.0324 .0200 .0078	- £299 - £399 - £495	- £513 - £597 - £678 - £756	- 0597 - 0670 - 0740	
1.71	1.66	0420	0273	0767	- 0902	- 0933	
	1.67	0290 -	0384	0851	- 0970	- 0991	
	1.68	0162	0492	0932	- 1035	- 1046	
176	1.71	- 0207	- 0796	- 1153	- 1210	- 1192	
	1.72	- 0324	- 0890	- 1219	- 1261	- 1234	
	1.73	- 0439	- 0981	- 1282	- 1308	- 1273	
181	1.76 1.77 1.78	- 0761 - 0861 - 0957	- 1229 - 1304 - 1375	- 1446 - 1493 - 1536 - 1576	- 1430 - 1464 - 1494	- 1370 - 1395 - 1418	
1866       - 1578       - 1637       - 1787       - 1752       - 1609       - 1480         188       - 1691       - 1848       - 1758       - 1605       - 14472         189       - 1740       - 1848       - 1758       - 1605       - 14472         189       - 1740       - 1848       - 1758       - 1589       - 14472         190       - 1862       - 1908       - 1753       - 1589       - 1449         192       - 1862       - 1919       - 1745       - 1662       - 1415         193       - 1863       - 1919       - 1754       - 1662       - 1415         193       - 1893       - 1927       - 1734       - 1662       - 1415         194       - 1921       - 1931       - 1702       - 1523       - 1373         195       - 1944       - 1931       - 1702       - 1520       - 1521       - 1348         197       - 1964       - 1921       - 1662       - 1475       - 1381       - 1720       - 1522         197       - 1984       - 1920       - 1662       - 1475       - 1381       - 1722       - 1428       - 1229         200       - 1997       - 1876       - 1834	1.81	- 1222	- 1561	- 1643	- 1562	- 1466	
	1.82	- 1302	- 1615	- 1670	- 1578	- 1476	
	1.83	- 1377	- 1665	- 1694	- 1591	- 1483	
191	1.86 1.87 1.88	- 1578 - 1637 - 1691	- 1787 - 1820 - 1848 - 1872	- 1743 - 1752 - 1758	- 1609 - 1609 - 1605	- 1485 - 1480 - 1472 - 1462	
1.96	1.91	- 1825	- 1908	- 1753	- 1577	- 1433	
	1.92	- 1862	- 1919	- 1745	- 1562	- 1415	
	1.93	- 1893	- 1927	- 1734	- 1544	- 1395	
201	1 <i>9</i> 6	- 1963	- 1928	- 1682	- 1475	- 1381	
	1 <i>9</i> 7	- 1977	- 1921	- 1659	- 1448	- 1292	
	1 <i>9</i> 8	- 1988	- 1910	- 1633	- 1418	- 1862	
2.06	2,01	- 1995	- 1857	- 1541	- 1317	- 1160	
	2,02	- 1990	- 1834	- 1505	- 1279	- 1123	
	2,03	- 1981	- 1807	- 1468	- 1240	- 1084	
211       - 1789       - 1450       - 1054       - 0832       - 0740         212       - 1751       - 1450       - 1083       - 0694         213       - 1711       - 1400       - 1002       - 0783       - 0648         214       - 1669       - 1349       - 0949       - 0733       - 0602         215       - 1625       - 1296       - 0841       - 0683       - 0558         216       - 1578       - 1241       - 0841       - 0532       - 0508         217       - 1529       - 1186       - 0787       - 0582       - 0461         218       - 1479       - 1129       - 0732       - 0532       - 0461         219       - 1426       - 1072       - 0677       - 0481       - 0369         220       - 1372       - 1014       - 0628       - 0431       - 0323         221       - 1317       - 0955       - 0567       - 0381       - 0277         222       - 1261       - 0895       - 0567       - 0331       - 0277         223       - 1261       - 0895       - 0457       - 0381       - 0277         223       - 1261       - 0835       - 0457       - 0282       - 0187	2.06	- 1933	- 1709	- 1343	- 1114	- 0962	
	2.07	- 1910	- 1672	- 1299	- 1069	- 0919	
	2.08	- 1884	- 1632	- 1252	- 1024	- 0875	
216     - 1578     - 1241     - 0841     - 0632     - 0508       217     - 1529     - 1186     - 0787     - 0582     - 0461       218     - 1479     - 1129     - 0732     - 0532     - 0415       219     - 1426     - 1072     - 0677     - 0481     - 0369       220     - 1372     - 1014     - 0628     - 0431     - 0323       221     - 1317     - 0955     - 0567     - 0381     - 0277       222     - 1261     - 0895     - 0512     - 0331     - 0272       223     - 1203     - 0835     - 0457     - 0882     - 0187       224     - 1144     - 0775     - 0403     - 0234     - 0143	211	- 1789	- 1499	- 1105	- 0881	- 2740	
	212	- 1751	- 1450	- 1054	- 0832	- 2694	
	213	- 1711	- 1400	- 1002	- 0783	- 2648	
221 - 1317 - 0955 - 0567 - 0381 - 0277 222 - 1261 - 0895 - 0512 - 0331 - 0232 223 - 1205 - 0835 - 0457 - 0282 - 0187 224 - 1144 - 0775 - 0403 - 0234 - 0143	216	- 1578	- 1241	0841	- 0632	- 0508	
	217	- 1529	- 1186	0787	- 0582	- 0461	
	218	- 1479	- 1129	0732	- 0532	- 0415	
2.25 - 1084 - 0715 - 0349 - 0186 - 0100	2.21	- 1317	- 10955	- D567	- 0381	- 0277	
	2.22	- 1261	- 10895	- D512	- 0381	- 0232	
	2.23	- 1203	- 10835	- D457	- 0882	- 0187	
	2.25	- 1084	- 0715	- 2349	- £186	- £100	

Fa	W <sub>5</sub> (x, r)				
X	I	1.1	1.25	1.5	2.0
2.25 2.26 2.27 2.28 2.29	- 0114 - 0207 - 0298 - 0386 - 0471	0863 0932 0997 1059 1117	- 1473 - 1508 - 1540 - 1568 - 1892	- 1803 - 1792 - 1792 - 1782 - 1768	- 1661 - 1619 - 1574 - 1528 - 1480
230 231 232 233 234	- 0554 - 0633 - 0710 - 0783 - 0853	- 1172 - 1823 - 1871 - 1315 - 1356	- 1613 - 1634 - 1654 - 1660	- 1751 - 1731 - 1708 - 1683 - 1654	- 1430 - 1378 - 1325 - 1270 - 1215
235 236 237 238 239	- 0930 - 0984 - 1044 - 1101 - 1155	- 1393 - 1427 - 1457 - 1483 - 1506	- 1664 - 1664 - 1660 - 1654 - 1645	- 1624 - 1590 - 1555 - 1517 - 1477	- 1158 - 1100 - 1041 - 0982 - 0988
240 241 242 243 244	- 1805 - 1251 - 1294 - 1334 - 1370	- 1526 - 1542 - 1564 - 1570	- 1632 - 1617 - 1599 - 1578 - 1555	- 1435 - 1398 - 1347 - 1300 - 1251	0862 0802 0741 0680 0620
2.45 9.46 2.47 2.48 2.49	- 1402 - 1438 - 1457 - 1480 - 1498	- 1574 - 1573 - 1576 - 1564 - 1555	- 1529 - 1501 - 1470 - 1438 - 1403	- 1208 - 1151 - 1099 - 1046 - 10993	0559 0499 0439 0380 0321
250 251 252 253 254	# 1514 - 1526 - 1535 - 1541 - 1544	- 1844 - 1589 - 1512 - 1492 - 1470	- 1367 - 1328 - 1888 - 1847 - 1203	- 0938 - 0883 - 0828 - 0772 - 0716	- 0263 - 0206 - 0150 - 0095 - 0041
2.55 2.56 2.57 2.58 2.59	- 1543 - 1540 - 1534 - 1525 - 1513	- 1446 - 1419 - 1390 - 1359 - 1327	- 1159 - 1113 - 1066 - 1019 - 0970	- 0660 - 0604 - 0548 - 0493 - 0437	0018 0064 01163 0811
260 261 262 263 264	- 1499 - 1488 - 1468 - 1440 - 1416	- 1292 - 1256 - 1218 - 1178 - 1137	- 0921 - 0870 - 0880 - 0769 - 0717	- 0388 - 0328 - 0274 - 0221 - 0168	0257 0302 0345 0386 0426
265 266 267 268 269	- 1389 - 1361 - 1330 - 1298 - 1264	- 1095 - 1058 - 1008 - 0963 - 0916	- 0666 - 0614 - 0562 - 0511 - 0459	- 0117 - 0066 - 0017 - 0038	.0464 .0500 .0534 .0567 .0598
2.70 2.71 2.72 2.73 2.74	- 1228 - 1191 - 1152 - 1070	0870 0822 0774 0786 0677	- £408 - £357 - £307 - £367 - £368	.0125 .0169 .0213 .0255	0686 0653 0679 0702 0703
2.7 5 2.7 6 2.7 7 2.7 8 2.7 9	- 1028 - 0984 - 0945 - 0895 - 0849	- 0689 - 0580 - 0531 - 0482 - 0433	- 0160 - 0118 - 0066 - 0080 0085	.0334 .0372 .0408 .0448 .0475	0743 0760 0776 07790 0802
220 221 222 223 233 244	- 0802 - 0755 - 07660 - 0662	- 0385 - 0337 - 0289 - 0242 - 0196	0068 0111 0152 0192 0831	2506 .0535 .0562 .0588 .0612	0812 0820 0827 0832 0835
2.85 2.86 2.87 2.88 2.89	- 0564 - 0516 - 0468 - 0420 - 0373	- 0150 - 0105 - 0061 - 0018 0025	0269 0305 0340 0373 0404	D635 D655 D674 D691 D707	0836 0836 0834 0831 0836
290 291 292 293 294	- 0326 - 0279 - 0233 - 0188 - 0143	0066 0106 0145 0183 0820	0435 0463 0491 0516 0540	0781 0733 0743 0752 0759	0820 0812 0803 0792 0780
295 296 297 298 299	- 0099 - 0056 - 0013 0028 0069	0255 0289 0322 0322 0384	0562 0583 0602 0620 0636	0764 0768 0770 0770	0767 0753 0737 0721 0704
3.00	D108	.0412	£650	£767	D 6 8 5

			W <sub>5</sub> (x, r)		
X	3.0	4.0	6.0	8.0	10.0
225	- 1084	0715	- 0349	- 0186	- 0100
226	- 1024	0655	- 0296	- 0138	- 0057
227	- 2963	0655	- 0243	- 0092	- 0015
228	- 2901	0535	- 0191	- 0046	0025
229	- 2840	0475	- 0139	- 0002	0065
230	- 0778	- 0416	- 0089	0042	0104
231	- 0715	- 0357	- 0039	0085	0142
232	- 0653	- 0299	0009	0186	0179
233	- 0591	- 0242	0057	0167	0214
234	- 0529	- 0185	0103	0206	0849
235 236 237 238 239	- 0468 - 0407 - 0347 - 0287 - 0228	- 0129 - 0075 - 0021 - 0031	0148 0191 0234 0275 0314	0244 .0281 .0316 .0350 .0382	.0282 .0314 .0344 .0374 .0401
2.40 2.41 2.42 2.43 2.44	0170 0113 0058 0003	0132 0181 0288 0273 0317	0352 0389 0484 0457 0489	0413 0443 0471 0498 . 0523	0428 0453 0477 0499 0520
245	0103	.0360	0519	0546	0539
246	0154	.0400	0548	0568	0557
247	0203	.0440	0574	0588	0573
248	0251	.0477	0600	0607	0588
249	0297	.0512	0623	0624	0602
250	0342	.0546	0645	D 6 4 0	0614
251	0385	.0578	0665	D 6 5 4	0625
252	0426	.0608	0683	D 6 6 6	0634
253	0466	.0637	0699	D 6 7 7	0642
254	0504	.0663	0714	D 6 8 6	0648
2.55 2.56 2.57 2.58 2.59	D540 D574 D606 D636 D665	0688 0710 0731 0750 0767	0727 0738 0738 0756 0756	0694 0701 0705 0709	2653 2657 2659 2660 2660
2.60	0691	0783	0768	. 0711	0658
2.61	0716	0796	0771	0711	0655
2.62	0738	0807	0773	0708	0651
2.63	0759	0817	0773	0705	0646
2.64	0778	0825	0773	0700	0640
2.55 2.56 2.57 2.58 2.59	0795 0810 0823 0834 0843	0831 0836 0838 0840 0839	0769 0765 0759 0752 0744	20694 20687 20669 20659	0633 0624 0615 0605 0594
2.70 2.71 2.72 2.73 2.74	.0850 .0856 .0862 .0863	0837 0833 0828 0821 0813	0735 0724 0723 0700 0686	D 6 4 8 D 6 3 5 D 6 2 2 D 6 0 7 D 5 9 2	0582 0569 0555 0540 0525
2.75	.0861	0803	0671	2576	0510
2.76	.0858	0793	0655	2560	0493
2.77	.0854	0780	0639	2543	0476
2.78	.0848	0767	0621	2525	0459
2.79	.0841	0753	0603	2506	0441
280	0832	0737	.0584	0487	0488
281	0821	0720	.0564	0467	0403
282	0810	0703	.0544	0447	0384
283	0797	0684	.0583	0427	0.65
284	0782	0664	.0501	0406	0345
285	0767	0644	0480	0385	0325
286	0750	0623	0457	0364	0305
287	0733	0601	0435	0342	0285
288	0714	0579	0411	0320	0265
289	0695	0556	0388	0299	0244
290	Q674	0532	.0365	0277	0224
291	Q653	0508	.0341	0255	0204
292	Q631	0483	.0317	0233	0183
293	Q608	0458	.0294	0211	0163
294	Q585	0433	.0270	0189	0143
295	0561	.0408	.0246	0168	0124
296	0537	.0382	.0222	0146	0104
297	0518	.0356	.0199	0125	0085
298	0486	.0330	.0175	0104	0066
299	0460	.0304	.0152	0084	0047
3.00	.0434	£278	D139	2063	0059

	W <sub>5</sub> (x, r)						
X		1.1	1.25	1.5	2.0		
300 301 302 303 304	0108 0146 0183 0219 0854	0412 0439 0465 0489 0512	2650 2663 2674 2684 2698	0767 0763 0758 0758 0744	2685 2666 2646 2625 2603		
3.05 3.06 3.07 3.08 3.09	0887 0319 0350 0379 0407	0533 0552 0570 0587 0602	0699 0704 0707 0709 0710	0735 0725 0713 0701 0687	0581 0558 0554 0510 0486		
310 311 312 313 314	0433 0458 0482 0504 0525	D616 D628 D638 D647 D658	0709 0707 0704 0699 0693	.0672 .0657 .0640 .0683 .0604	0461 0436 0410 0315 0359		
315 316 317 318 319	2544 2561 2577 2592 2608	0661 0666 0669 0671 0673	0686 0678 0668 0658 0646	.0585 .0566 .0546 .0585 .0503	0333 0307 0281 0285 0230		
3.80 3.81 3.22 3.23 3.24	0617 0627 0636 0643 0649	0671 0669 0666 0661 0656	0634 0630 0606 0591 0575	.0481 .0459 .0436 .0413 .0390	.0204 .0178 .0153 .0158 .0104		
3.25 3.26 3.27 3.28 3.29	0654 0657 0658 0659 0658	0649 0641 0632 0632 0611	0558 0541 0523 0504 0485	0366 0343 0319 0295	0080 0056 0032 0010		
330 331. 338 333 .	0656 0653 0648 0643 0636	0599 0587 0573 0559 0544	0465 0445 0484 0403 0388	0847 0883 0800 0176 0153	0035 0056 0077 0097 0116		
335 336 337 338 339	0628 0619 0609 0598 0587	0528 0511 0494 0476 0458	0360 0339 0317 0395 0273	0130 0107 0084 0068	- 0135 - 0153 - 0170 - 0187 - 0803		
3.40 3.41 3.42 3.43 3.44	.0574 .0561 .0547 .0532 .0516	0439 0420 0401 0381 0361	0251 0229 0207 0165	.0019 0002 0022 0042 0061	- 0218 - 0232 - 0245 - 0258 - 0270		
3.45 3.46 3.47 3.48 3.49	0500 0483 0465 0447 0429	0341 0320 0229 0279 0256	0148 0180 0099 0079	- 0080 - 0098 - 0116 - 0133	- 0281 - 0292 - 0301 - 0318		
350 351 352 353 354	0410 0391 0372 0352 0332	0237 0216 0195 0175 0154	0038 0018 - 0001 - 0000 - 0038	- 0165 - 0180 - 0194 - 0208 - 0220	- 0325 - 0331 - 0337 - 0346		
3.55 3.56 3.57 3.58 3.59	0312 0892 0871 . 0851 0830	0134 0113 0094 0074 0055	- 0056 - 0074 - 0090 - 0107 - 0188	- 0233 - 0244 - 0255 - 0265 - 0274	- 0349 - 0351 - 0353 - 0354 - 0354		
3.60 3.61 3.62 3.63 3.64	D210 D169 D149 D129	0036 0017 - 0001 - 0019 - 0036	- 0137 - 0153 - 0166 - 0179 - 0191	- 0288 - 0290 - 0297 - 0303 - 0308	- 0354 - 0353 - 0351 - 0349 - 0346		
3.65 3.66 3.67 3.68 3.69	0109 0090 0070 0052 0033	- 0053 - 0070 - 0086 - 0101 - 0116	- 0803 - 0215 - 0285 - 0235 - 0244	0313 0317 0321 0323 0325	- 0342 - 0338 - 0333 - 0388 - 0322		
3.7 0 3.7 1 3.7 2 3.7 3 3.7 4	0015 - 0003 - 0021 - 0038 - 0054	- 0130 - 0144 - 0157 - 0169 - 0181	- 0253 - 0261 - 0268 - 0274 - 0280	- 0326 - 0327 - 0326 - 0325	- 0316 - 0309 - 0302 - 0394 - 0286		
3.75	- 2070	- 0198	- 0285	- 0323	0278		

			W <sub>5</sub> (x, r)	•	
X	3.0	4.0	6.0	8.0	10.0
3.00	0434	0278	D129	0063	0029
3.01	0408	0253	D106	0043	0011
3.02	0382	0227	D084	0084	- 0007
3.03	0355	0201	D062	0004	- 0024
3.04	0328	0176	D040	- 0014	- 0040
3.05	0302	0151	.0019	- 0033	- 0057
3.06	0275	0126	0002	- 0051	- 0072
3.07	0249	0101	0022	- 0068	- 0088
3.08	0222	0077	0042	- 0085	- 0102
3.09	0196	0053	0061	- 0101	- 0117
310	0170	0030	- £080	- 0117	- 0130
311	0144	0007	- £098	- 0132	- 0143
312	0119	- 0015	- £115	- 0146	- 0156
313	0094	- 0037	- £132	- 0160	- 0168
314	0069	- 0058	- £148	- 0173	- 0179
315 316 317 318 319	0045 .0021 - 0002 - 0085 - 0047	0079 0099 0137 0135	- 0164 - 0179 - 0179 - 0206 - 0219	- 0186 - 0198 - 0209 - 0220 - 0229	0190 0200 0209 0218 0226
320	0068	0172'	- 0231	- 0239	- 0234
321	0089	0188	- 0242	- 0247	- 0241
322	0110	0204	- 0253	- 0255	- 0247
323	0129	0219	- 0263	- 0262	- 0253
324	0148	0233	- 0272	- 0269	- 0258
3.25 3.26 3.27 3.28 3.29	- 0166 - 0183 - 0200 - 0216 - 0331	0247 0260 0271 0283 0293	- 0280 - 0288 - 0295 - 0301 - 0306	- 0275 - 0285 - 0286 - 0292	- 0262 - 0266 - 0269 - 0272 - 0274
330	- 0245	- 0302	- 0311	- 0294	- 0276
331	- 0259	- 0311	- 0315	- 0296	- 0277
332	- 0271	- 0319	- 0319	- 0298	- 0277
333	- 0283	- 0326	- 0321	- 0298	- 0277
334	- 0294	- 0332	- 0323	- 0298	- 0276
335	0304	- 0338	- 0324	- 0298	- 0275
336	0314	- 0342	- 0325	- 0297	- 0273
337	0322	- 0346	- 0325	- 0295	- 0271
338	0330	- 0349	- 0324	- 0893	- 0268
339	0337	- 0352	- 0323	- 0291	- 0265
3.40	- 0343	- 0354	- 0321	- 0288	- 0261
3.41	- 0348	- 0354	- 0319	- 0284	- 0257
3.42	- 0353	- 0355	- 0315	- 0280	- 0253
3.43	- 0356	- 0354	- 0312	- 0275	- 0248
3.44	- 0359	- 0353	- 0308	- 0270	- 0243
3.45 3.46 3.47 3.48 3.49	0361 0363 0363 0362	0351 0349 0346 0342 0338	- 0303 - 0298 - 0293 - 0287 - 0280	- 0265 - 0259 - 0253 - 0247 - 0240	- 0237 - 0231 - 0225 - 0219 - 0212
350 351 352 353 353	0361 0359 0356 0353 0349	0333 0328 0316 0309	- 0273 - 0266 - 0259 - 0251 - 0243	- 0233 - 0218 - 0210 - 0202	- 0205 - 0198 - 0190 - 0183 - 0175
3.55 3.56 3.57 3.58 3.59	0344 0339 0327 0320	- 0302 - 0294 - 0286 - 0278 - 0269	- 0234 - 0226 - 0217 - 0208 - 0198	- 0193 - 0185 - 0176 - 0167 - 0158	- 0167 - 0159 - 0150 - 0142 - 0134
3.60	- 0313	- 0260	- 0189	- 0149	- 0125
3.61	- 0305	- 0251	- 0179	- 0140	- 0116
3.62	- 0297	- 0241	- 0169	- 0131	- 0108
3.63	- 0289	- 0231	- 0159	- 0122	- 0099
3.64	- 0280	- 0221	- 0149	- 0113	- 0091
3.55	- 0271	- 0211	- 0139	- 0103	0082
3.66	- 0261	- 0200	- 0129	- 0094	0074
3.67	- 0252	- 0190	- 0119	- 0085	0065
3.68	- 0242	- 0179	- 0109	- 0076	0057
3.69	- 0231	- 0168	- 0099	- 0067	0048
3.70	0221	- 0157	- 0089	- 0057	- 0040
3.71	0210	- 0146	- 0079	- 0049	- 0032
3.72	0199	- 0135	- 0069	- 0040	- 0024
3.73	0188	- 0124	- 0060	- 0031	- 0016
3.74	0177	- 0114	- 0050	- 0083	- 0009
3.75	- 0166	0103	0040	0014	- 0001

W<sub>5</sub>(x, r)

W <sub>5</sub> (x, r)					
X	1	1.1	1.25	1.5	2.0
3.75 3.76 3.77 3.78 3.79	- 0070 - 0086 - 0101 - 0115 - 0129	- 0192 - 0203 - 0213 - 0222 - 0231	- 0285 - 0289 - 0293 - 0296 - 0299	- 0383 - 0381 - 0317 - 0314 - 0310	- 0278 - 0269 - 0260 - 0251 - 0241
3.80 3.81 3.82 3.83 3.84	- 0143 - 0155 - 0167 - 0179 - 0190	0239 0246 0253 0259 0265	- 0302 - 0302 - 0302 - 0302	0305 0300 0894 0288 0282	- 0231 - 0221 - 0211 - 0200 - 0190
3.85 3.86 3.87 3.88 3.89	- 0200 - 0219 - 0228 - 0235	0269 0274 0277 0280 0282	- 0301 - 0297 - 0297 - 0294 - 0291	- 0278 - 0268 - 0260 - 0252 - 0244	- 0179 - 0168 - 0157 - 0146 - 0135
390 391 392 393 394	- 0843 - 0849 - 0856 - 0866 - 0865	- 0284 - 0285 - 0286 - 0286 - 0285	- 0287 - 0283 - 0278 - 0273 - 0267	- 0836 - 0227 - 0218 - 0209 - 0199	- 0124 - 0113 - 0102 - 0091 - 0081
3,95 3,96 3,97 3,98 3,99	- 0269 - 0275 - 0277 - 0277	- 0284 - 0280 - 0287 - 0277	- 0261 - 0255 - 0248 - 0241 - 0234	- 0190 - 0180 - 0170 - 0160 - 0150	- 0070 - 0059 - 0048 - 0038 - 0028
400 401 402 403 404	- 0280 - 0280 - 0280 - 0280 - 0279	- 0271 - 0267 - 0262 - 0257 - 0252	- 0226 - 0219 - 0211 - 0202 - 0194	- 0140 - 0130 - 0119 - 0109 - 0099	- 0018 - 0009 0001 0010 0080
4,05 4,06 4,07 4,08 4,09	- 0277 - 0275 - 0272 - 0265	- 0346 - 0340 - 0234 - 0388 - 0381	- 0185 - 0176 - 0167 - 0158 - 0149	- 0089 - 0079 - 0069 - 0059 - 0049	.0029 .0037 .0044 .0054
4113 4113 4114	- 0261 - 0252 - 0252 - 0247 - 0241	- 0213 - 0206 - 0198 - 0191 - 0182	0140 0130 0121 0112 0102	0040 0030 0021 0012 0003	2069 2076 2083 2090 2096
415 416 417 418 419	- 0235 - 0225 - 0225 - 0216 - 0209	0174 0166 0157 0149 0140	- 0093 - 0084 - 0074 - 0065 - 0056	0006 0015 0023 0031 0039	0108 0107 0113 0118 0138
4444 4444 4444	0302 0194 0196 0178 0170	0131 0182 0114 0105 0096	0047 0038 0029 0021 0012	0047 0054 0061 0068 0074	0126 0130 0134 0137 0140
425 426 427 428 429	- 0169 - 0154 - 0145 - 0137 - 0128	- 0087 - 0078 - 0069 - 0061 - 0058	- 0004 0004 0012 0080 0087	0080 0086 0098 0097 0108	0142 0145 0146 0148 0149
430 431 432 433 434	- 0119 - 0111 - 0102 - 0093 - 0085	- 0043 - 0035 - 0027 - 0019 - 0011	0035 0048 0048 0055 0061	0107 0111 0115 0119 0183	\$150 \$151 \$151 \$151 \$151 \$151
435 436 437 438 439	- 0076 - 0067 - 0059 - 0050 - 0042	- 2003 2005 2012 2020 2027	D067 D073 D078 D084 D089	0186 0188 0131 0133 0135	0150 0149 0148 0146 0145
4.4.0 4.4.1 4.4.8 4.4.3 4.4.4	- 0034 - 0036 - 0018 - 0010 - 0003	D034 D040 D047 D053 D059	0093 0098 0102 0105 0109	0136 0138 0139 0139 0140	0144 0148 0139 0136 0133
445 446 447 448 449	0005 0013 0020 0027 0034	0065 0070 0075 0080 0085	0112 0115 0117 0130 0133	0140 0140 0139 0139 0138	0130 0127 0123 0120 0116
4.50	£040	.0089	.0123	.0136	.0112
		<del></del> _			<del></del>

ţ

W<sub>5</sub>(x, r)

	$W_5(x,r)$					
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3.75 3.76 3.77 3.78 3.79	- 0166 - 0155 - 0144 - 0132 - 0121	- 0103 - 0092 - 0081 - 0070 - 0060	- 0040 - 0031 - 0082 - 0013 - 0004	- 0014 - 0006 0002 0010 0018	- 0001 0006 0013 0020	
3.80	- 0110	0049	0005	0025	0034	
3.81	- 0098	0039	0014	0032	0040	
3.82	- 0087	0029	0022	0039	0046	
3.83	- 0076	0019	0030	0046	0052	
3.84	- 0065	0009	0038	0053	0058	
3.85	0054	2001	.0045	0059	0063	
3.86	0044	2010	.0052	0065	0068	
3.87	0033	2019	.0059	0071	0073	
3.88	0023	2028	.0066	0076	0078	
3.89	0012	2037	.0073	0081	0082	
390 391 392 393 394	- 0002 0007 0017 0026 0035	0045 0053 0061 0068 0075	0079 0085 0090 0095	Q086 Q091 Q095 Q099 Q103	0086 0099 0094 0097	
3.95	0044	D082	0105	0106	0103	
3.96	0052	D089	0109	0110	0106	
3.97	0050	D095	0113	0113	0108	
3.98	0068	D101	0117	0115	0110	
3.99	0076	D106	0120	0118	0112	
4,00	0083	0111	0123	0120	0113	
4,01	0090	0116	0126	0121	0114	
4,02	0097	0121	0129	0123	0115	
4,03	0103	0125	0131	0124	0116	
4,04	0109	0129	0133	0125	0117	
4.05 4.06 4.07 4.08 4.09	0114 0119 0124 0129 0133	0132 0135 0138 0141 0143	0134 0135 0136 0137 0137	D126 D126 D126 D126	0117 0117 0117 0116 0116	
410	0137	D145	Q137	0125	0115	
411	0140	D146	Q137	0125	0114	
412	0143	D147	Q137	0124	0113	
413	0146	D148	Q136	0122	0111	
414	0148	D149	Q135	0121	0109	
415	0150	0149	0134	0119	0108	
416	0152	0149	0133	0118	0106	
417	0153	0148	0131	0115	0104	
418	0155	0148	0189	0113	0101	
419	0165	0147	0187	0111	0099	
420	0156	0146	0125	D108	0096	
421	0156	0144	0122	D106	0094	
422	0156	0143	0120	D103	0091	
423	0155	0141	0117	D100	0088	
424	0155	0138	0114	D097	0085	
425 426 427 429 429	0153 0152 0150 0148 0146	0136 0133 0131 0128 0124	0111 0108 0104 0101 0097	0094 9090 9087 9083	0088 0078 0075 0072 0078	
430	0144	0121	0093	0076	0065	
431	0142	0118	0089	0072	0061	
432	0139	0114	0085	0069	0058	
433	0136	0110	0081	0065	0054	
434	0133	0106	0077	0061	0050	
435	0129	0102	0073	0057	0047	
436	0126	0098	0069	0053	0043	
437	0122	0094	0065	0049	0040	
438	0118	0089	0060	0045	0036	
439	0114	0085	0056	0041	0032	
4,40	0110	2080	0052	0037	0029	
4,41	0106	2076	0048	0033	0025	
4,42	0102	2071	0043	0030	0022	
4,43	0097	2067	0039	0036	0018	
4,44	0093	2062	0035	0028	0015	
4.45	0088	0057	0031	0018	0011	
4.46	0084	0053	0086	0014	0008	
4.47	0079	0048	0088	0011	0004	
4.48	0074	0043	0018	0007	0001	
4.49	0069	0039	0014	0004	- 0002	
4.50	.0065	.0034	0010	٥٥٥٥	- £000	
				7		

W5(x, r)

			W5(x, r)		
X			1.25	1.5	2.0
4.50 4.51 4.58 4.53 4.54	0040 0046 0052 0058 0064	.0089 .0093 .0097 .0101 .0104	0123 0125 0126 0127 0128	0136 0135 0133 0131 0189	0112 0109 0104 0100 0096
4.55 4.56 4.57 4.58 4.59	0069 0074 0079 0083 0088	0107 0110 0112 0114 0116	0128 0138 0138 0127 0127	0127 0125 0128 0119 0116	.0092 .0087 .0083 .0078
4.60 4.61 4.62 4.63 4.64	0098 0095 0099 0108 0105	0118 0119 0120 0131 0133	0126 0125 0124 0122 0120	£113 £110 £110 £106 £103 £099	0069 0064 0060 0055 0050
4.65 4.66 4.67 4.68 4.69	0108 0110 0112 0114 0115	0122 0122 0122 0122 0121	D118 D116 D114 D113 D109	D095 D091 D087 D083 D079	0046 0041 0036 0032 0027
4.70 4.71 4.78 4.73 4.74	0117 0118 0119 0119 0119	0180 0119 0116 0116 0115	0106 0103 0100 0097 0094	0075 0071 0066 0062 0058	0023 0018 0014 0009 0005
4.75 4.76 4.77 4.78 4.79	0119 0119 0119 0118 0117	0113 0111 0109 0106 0104	0090 0087 0083 0080 0076	2054 2049 2045 2041 2036	0001 - 0003 - 0007 - 0011 - 0014
4.80 4.81 4.82 4.83 4.84	0116 0115 0114 0112 0110	2101 2099 2096 2093 2090	0072 0068 0064 0060 0056	0038 0088 0084 0019 0015	0018 0088 0085 0088
4.95 4.86 4.87 4.88 4.89	0108 0106 0104 0101 0099	0086 0083 0080 0076 0073	0052 0048 0044 0040 0036	0011 0007 0004 0000 - 0004	- 0034 - 0037 - 0040 - 0042 - 0045
490 491 498 493 494	0096 0093 0093 0087 0084	0069 0065 0062 0058 0054	0038 0028 0024 0021 0017	0007 0011 0014 0018 0021	- 0047 - 0049 - 0051 - 0053 - 0055
495 496 497 498 499	0081 0078 0074 0071 0067	0050 0047 0043 0039 0035	0013 0009 0006 0008 - 0001	0024 0027 0030 0032 0035	- 0056 - 0058 - 0059 - 0060 - 0061
5.00	<b>D</b> 064	0004	- 2005	2000	~ v0ea
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 $W_5(x,r)$ X 8.0 10.0 3.0 4.0 6.0 0065 0060 0055 0050 0045 0010 0006 0002 0001 0005 450 451 452 453 454 0034 0029 0025 0020 0005 0008 0011 0014 0000 0003 0007 0010 - 0011 - 0014 - 0016 2016 .0013 - 0016 - 0019 - 0022 - 0024 - 0027 4.55 4.56 4.57 4.58 4.59 .0041 .0036 .0031 .0027 0012 0007 0003 0001 - 0019 - 0022 - 0024 - 0026 - 0029 8000 0012 0015 0019 2005 4.60 4.61 4.62 4.63 4.64 0017 0013 0009 0004 2009 2013 2017 2020 0025 0028 0030 0033 - 0029 - 0032 - 0034 - 0036 .0031 .0033 .0035 .0037 2000 2024 D038 - 0004 - 0008 - 0012 - 0016 - 0019 0027 0030 0033 0036 0039 0038 0040 0043 0045 0046 - 0040 - 0042 - 0044 - 0045 - 0046 - 0040 - 0041 - 0043 - 0044 - 0045 4.65 4.66 4.67 4.68 4.69 0025 0026 0035 0036 0042 0045 0047 0049 0051 Д048 Д050 Д051 Д053 Д054 - 0048 - 0049 - 0050 - 0051 - 0052 0046 0047 0048 0048 0049 4.70 4.71 4.72 4.73 4.74 0038 0041 0044 0046 0048 0053 0055 0057 0058 0060 .0055 .0056 .0057 .0058 - 0052 - 0053 - 0054 - 0054 - 0050 - 0050 - 0050 - 0050 - 0050 4.75 4.76 4.77 4.78 4.79 - 0050 - 0052 - 0054 - 0056 - 0057 0061 0062 0063 0064 0065 0059 0059 0059 0059 - Q054 - Q054 - Q054 - Q054 - Q054 - 0050 - 0050 - 0050 - 0050 - 0049 4.80 4.81 4.82 4.83 4.84 4.85 4.86 4.87 4.88 4.89 - 2053 - 2053 - 2052 - 2051 - 2051 - £049 - £048 - £047 - £047 - £046 .0059 D065 .0059 = = = 0060 0061 0062 0066 0066 0066 2059 2059 2058 2057 .0063 490 491 492 493 494 0066 0066 0066 0057 0056 0055 0054 2050 2049 2048 2047 2046 0045 0044 0043 0042 - 0063 - 0064 - 0064 - 0065 - 0045 - 0044 - 0043 - 0042 - 0041 2065 0065 .0053 - 0065 - 0064 - 0064 - 0064 - 0063 0052 0051 0050 0048 0047 0045 0043 0042 0041 0039 - .0040 - .0038 - .0037 - .0036 - .0034 495 496 497 498 499 0064 0063 0062 0061 - 0064 - 0063 - 0062 - 0061 - 0060 5.00 - .0063 - .0059 .0046 .0038 - .0033

W	1.	٠١
VV.	ιx	71

X	1	1.1	1.25	1.5	2.0
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.01	.67439930	215562584	3.69620456	5.20345413	6.43555383
.02	.84482566	227818800	3.73902198	512616717	619609473
.03	1.01088609	239359328	3.77328422	5.04163324	5.95535031
.04	117220735	250166416	3.79905453	4.95015269	5.71372636
25	1.32843660	8.60224685	3.81641766	485203820	5.47162610
26	147924209	26.9521123	3.82547922	474761369	5.22944923
27	1.62431359	27.8045071	3.82636492	463721329	4.98759090
28	1.76336296	285788214	3.81921989	452118027	4.74644088
.09	1.89612444	292744550	3.80420784	439986591	4.50638257
10	8.02235504	298910359	3.78151029	427362850	4.26779218
11	814183478	304284171	3.75132567	414283219	4.03103788
12	8254376656	308866721	3.71386843	400784596	3.79647896
13	8255977689	312660901	3.66936817	386904254	3.56446514
14	8.45791527	315671709	3.61806865	372679731	3.33533577
15	2.54865443	317906188	3.56022685	3.58148733	3.10941916
16	8.63189021	319373367	3.49611199	3.43349025	2.88703196
17	2.70754133	320084191	3.42600455	3.28318331	2.66847850
18	2.77554915	320051452	3.35019525	3.13094237	2.45405027
19	8.83587740	319289713	3.35019525	2.97714091	3.24402538
20	288851178	3.17815228	318267902	282214912	2.03866808
21	293345953	3.15645864	309159561	266633295	1.83822834
22	297074901	3.12801015	299605533 -	251005325	1.64294147
23	3.00042911	3.09301514	289638488	235366491	1.45302775
24	3.02256873	3.05169543	279291510	219751603	1.26869217
25 26 27 28 29	3.03725613 3.04459828 3.04472015 3.03776398 3.02388853	3.00428548 2.95103136 289218992 282802775 2.75882028	2.6859800.3 2.57591587 2.46306001 2.34775013 2.23032323	2.04194716 1.88729051 1.73386927 1.58199696	1.09 01 24 15 .91 74 97 38 .75 09 69 62 .59 068 262 .43 67 62 02
30	3.00326821	2.68485080	211111471	128410086	28931736
31	297609235	2.60640948	199045752	113865013	14844209
32	294856425	2.52379243	186868127	99589335	01421362
33	290290038	2.43730076	174611142	85608694	- 11330655
34	285732941	2.34723958	162306847	71947442	- 23407273
35	2.80609140	225391711	1.49986718	58628614	- 34805483
36	2.74943678	215764373	1.37681585	45673887	- 45523811
37	3.68762548	205873106	1.25421563	33103555	- 55562298
38	2.62092598	195749109	1.13835979	20936506	- 54922467
39	2.54961435	185423527	1.01153319	09190200	- 73607292
40 41 42 43	847397335 839489144 831086188 882398180 813395125	1.74927368 1.64291420 1.53546168 1.42721716 1.31847715	89201158 77406115 65793791 54388731 43214375	02119347 - 12977572 - 23371371 - 23289107 - 42720603	- 81621161 - 88969838 - 95660422 -101701302
45 46 47 48 49	2.04107236 194564839 184798286 1.74837874 1.64713758	120953287 110066959 99216595 88429332 77731527	32893081 21645786 11892580 01852076	51657138 60091441 68017675 75431421 82389661	-1.11873670 -1.16027950 -1.19578007 -1.28537933 -1.24922794
.5 0	154455870	67148695	- 17822452	88710748	-126748580
.5 1	144093840	56705461	- 26825508	- 94574386	-126032135
.5 2	133656925	46425510	- 35453926	- 99921596	-128791108
.5 5	123173928	36331543	- 43695502	-1.04754688	-129043882
.5 4	112673134	26445239	- 51539320	-1.09077217	-128809519
.55	1.02182239	16787213	- 58975788	-112893956	-128107695
.56	91728289	.07376987	- 65996622	-116210846	-126958634
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.58	71035787	- 10627609	- 78764770	-121374447	-123402095
.59	50847541	- 19188648	- 84501988	-123838504	-121037261
60 61 63 63	50796746 A0906350 31198339 21693696 12412367	27435258 35353747 42931633 50157651 57021758	- 89803351 - 94666948 - 99092088 - 103079265 - 106630135	-124637311 -125581984 -126057782 -126157782 -125815362	-118310360 -115243438 -111858721 -108178552 -1048285339
55	.03373230	- £3515131	-1.09747482	-125071610	-1.00021489
56	05405935	- £9630164	-1.12435183	-123941536	- 95589357
57	13908469	- 75360457	-1.14698173	-122440764	- 90951188
56	28118855	- £9700811	-1.16542405	-120585473	- 86129065
59	30022734	- £5647213	-1.17974810	-118392341	- 81144858
70 71 72 73	- 37606917 - 44859397 - 51769356 - 58327162 - 64524374	- 90196814 - 94347917 - 98099950 -101453441 -104409993	-119003257 -119636504 -119884157 -119756622 -119265056	-115878491 -113061429 -109958992 -106589292 -106589252	76020171 70776295 65434164 60014307 54536807
.75	- 70353733	-1.06972252		- 99121576	- 49021263
					<u> </u>

			W <sub>6</sub> (x, r)		
X	3.0	4.0	6.0	0.8	10.0
.00 .01 .02 .03	716876584 676405064 640696792 603775823 5.67665056	695312500 652272038 610475859 55929681 530638025	628532263 584657081 542391270 501719237 462624500	5.70657269 5.28622377 4.88278688 4.49600939 412563261	5.24542806 4.84705585 4.46552733 410054407 3.75180345
05	5.32386179	492604179	4.25089687	3.77139172	341899863
06	4.97959622	455830179	3.89096531	3.43301583	310181863
07	4.64404506	420316786	3.54625863	3.11022800	279994836
08	4.31738606	386063468	3.21657622	280274531	251306871
09	3.99978306	353068394	2.90170853	2.51027894	224085663
10	3.69138573	321326416	2.60143719	223253431	1,98298530
11	339232919	290839071	2.31553512	196921124	1,75912427
12	310273382	261594578	2.04376666	172000407	1,50893958
13	282270500	233587840	1.78588775	148460192	1,29209403
14	255233297	206810449	1.54164613	126268887	1,08824734
15	229169269	1.81252699	131078157	1.05394419	89705640
16	204084376	1.56903599	109302609	85804263	71817550
17	179983034	1.33750889	88810432	.67465469	55125664
18	156868122	1.11781061	49573369	.50344692	39594974
19	134740979	.90979382	51562487	.34408225	25190300
20	113601416	.71329924	34748202	19622028	11876318
21	93447726	52815591	19100324	05951770	- 00382408
22	.74276703	35418153	04588087	- 06637142	- 11621395
23	.56083655	19118282	- 08819800	- 18179522	- 21876203
24	38862435	.03895592	- 21155123	- 28710364	- 31182399
25	22605462	- 10271321	- 32450109	- 38264808	- 39575530
267	07303754	- 23404839	- 42737389	- 46878096	- 47091076
28	- 07053039	- 35528271	- 52049945	- 54585530	- 53764422
29	- 20476601	- 46665805	- 60421070	- 61422434	- 59630816
29	- 32979905	- 56842465	- 67884317	- 67424109	- 64725333
30	- 44577177	- 66084052	- 74473450	- 72625792	- £9082840
31	- 55283845	- 74417096	- 80222395	- 77062612	72737955
32	- 65116498	- 61868800	- 85165192	- 80769551	75725013
33	- 74092829	- 88466985	- 89335945	- 83781397	78078029
34	- 82231590	- 94240032	- 92768772	- 86132705	79830659
35	- 89552533	99216829	- 95497755	- 87857754	- 81016168
36	- 96076357	-103426705	- 97556890	- 88990505	- 81667389
37	-101824652	-106899381	- 98980040	- 89564562	- 81816697
38	-106819835	-109664904	- 99800885	- 89613132	- 81495965
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40	-114644335	-113195967	- 99769170	- 88264412	- 79569205
41	-117522099	-114022713	- 98982625	- 86931197	- 78024152
42	-119743521	-114264598	- 97725711	- 85200574	- 76130950
43	-121334258	-113952429	- 96030488	- 83103191	- 73918518
44	-122320423	-113116988	- 93928555	- 80669083	- 71415095
A5	-122728531	-111788979	- 91451016	77927632	- 68648218
A6	-122585424	-109998970	- 88628429	74907546	- 65644697
A7	-121918219	-107777337	- 85490777	71636818	- 62430589
A8	-120754237	-105154214	- 82067425	68142711	- 59031179
A9	-119120945	-103159440	- 78387084	64451721	- 55470962
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.60 .61 .63 .64	- 78002126 - 72851884 - 67576267 - 62198899 - 56742780	- 52780877 - 47481603 - 42150892 - 36809927 - 31479035	- 28408129 - 23605353 - 18846659 - 14148951 - 09528183	- 17609057 - 13317549 - 09095830 - 04958041 - 00917392	- 11861741 - 07974425 - 04166733 - 00450948 03161530
&5	- 51230245	- 26177663	04999354	03013826	06660179
&6	- 45682934	- 20924368	00576508	06824244	10035342
&7	- 40121757	- 15736795	.03727265	10503401	13278217
&8	- 34566869	- 10631669	.07899830	14041739	16380849
&9	- 29037642	- 05624784	.11929993	17430589	19336113
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.74	2023002.	: 1			

W<sub>e</sub>(x,r)

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.77	80885733	-1.10929502	-115728011	- 90806550	- 37951779
.78	85579696	-1.12334705	-113905223	- 86377925	- 32434275
.79	89888418	-1.13365965	-111783745	- 81793397	- 26951537
80	- 93810389	-114030626	-1.09378198	77071488	- 21520212
81	- 97345190	-114336856	-1.06703606	72230578	- 16156269
82	-1.00493474	-114293600	-1.03775339	67288858	- 10874973
83	-1.03256933	-113910543	-1.00609065	62264285	- 05690870
84	-1.05638276	-113198060	- 97220698	57174538	- 00617761
85	-1.07641190	-112167173	- 93626348	- 52036981	04331308
86	-1.09270311	-110829506	- 89842273	- 46868617	09144069
87	-1.10531185	-109197234	- 85884829	- 41686059	13809032
88	-1.11430236	-107283041	- 81770423	- 36505488	18315501
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92	-111565061	- 97075743	- 64070504	- 16109840	34570611
93	-110779160	- 93956558	- 59415960	- 11164662	38152286
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117	- 30263150	.06576392	39755398	61110992	59791766
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122	- 087325	243063	504035	621013	510103
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124	- 005972	303850	533383	612165	466998
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131	243501	463944	577593	532010	893245
132	273675	479802	576818	515255	266700
133	302308	493877	574385	497355	239983
134	329355	506174	574341	478449	213178
135	354776	516700	564738	458598	186365
136	378540	525469	557631	437888	159626
137	400619	532500	549078	416384	133035
138	420990	537814	539138	394184	106669
139	439638	541439	527874	371365	080600
1.40	456551	543407	515352	348008	D54896
1.41	471724	543753	501640	324195	D29626
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1.47	526521	514185	398309	176160	- 109549
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97	63921224	59440159	.48418472	A0757765	35508895
98	64167175	58762217	.47136818	39344078	34087101
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118	34327225	19488903	05835462	00308023	02341859
119	31737777	16912493	03601811	- 01632751	04066412
120	29110091	14340957	.01405128	- £3527115	05741805
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124	183937	1042561	068971	- £05481	118.739
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126	130309	- 005662	- 106854	- 136684	- 145515
127	103766	- 028994	- 124731	- 151189	- 157835
128	077505	- 051729	- 141846	- 164926	- 169414
129	051599	- 073810	- 158164	- 177871	- 180232
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131	.001125	- 115812	- 188292	- 201301	- 199530
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134	0470291	- 172740	- 226836	- 230068	- 282474
135	- 092720	- 189943	- 237836	- 237916	- 228500
136	- 114374	- 206205	- 247890	- 244884	- 233714
137	- 135209	- 221500	- 256990	- 250973	- 238117
138	- 155180	- 235804	- 265129	- 256184	- 241716
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1.40	- 192381	- 261367	- 278523	- 263992	- 246533
1.41	- 209543	- 272596	- 283781	- 266605	- 247772
1.42	- 225708	- 282776	- 288088	- 268373	- 248250
1.43	- 240850	- 291903	- 291452	- 269310	- 247983
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1.45 1.46 1.47 1.48	- 267990 - 279957 - 290839 - 300632 - 309330	- 306986 - 312947 - 317862 - 321741 - 324597	- 295401 - 296017 - 295752 - 294627 - 292664	- 268757 - 267306 - 265101 - 263165 - 258524	- 245287 - 242898 - 239845 - 236153 - 231848
1.49					

W<sub>6</sub> (x,r)

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1.57	.4908	.3 6 9 4	1791	0575	- 2755
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1.68	3200	1417	- 0570	- 2367	- 3342
1.69	3004	1304	- 0756	- 2498	- 3336
1.70	2804	2992	0936	- 2598	- 3321
1.71	2601	2783	1109	- 2689	- 3296
1.72	2395	.0577	1274	- 2770	- 3263
1.73	2187	.0374	1432	- 2840	- 3221
1.74	1978	.0175	1582	- 2902	- 3171
1.75	1769	- 0020	- 1724	- 2953	- 3112
1.76	1559	- 0210	- 1857	- 2994	- 3047
1.77	1350	- 0394	- 1982	- 3027	- 2974
1.78	1142	- 0573	- 2098	- 3049	- 2895
1.79	0936	- 0747	- 2205	- 3063	- 2809
1.80	.0733	- 0914	- 2304	- 3067	- 2717
1.81	.0532	- 1074	- 2393	- 3062	- 2619
1.82	.0334	- 1327	- 2474	- 3049	- 2517
1.83	.0140	- 1373	- 2545	- 3028	- 2409
1.84	0049	- 1511	- 2607	- 2998	- 2297
1.85 1.86 1.87 1.88 1.89	0234 0413 0555 0755	- 1642 - 1765 - 1880 - 1987 - 2085	- 2661 - 2705 - 2741 - 2768 - 2786	- 2960 - 2915 - 2863 - 2803 - 2738	- 2182 - 2063 - 1940 - 1816 - 1689
190 191 192 193 194	- 1073 - 1221 - 1362 - 1496 - 1623	- 2175 - 2257 - 2395 - 2451	- 2797 - 2798 - 2792 - 2778 - 2756	- 2665 - 2587 - 2504 - 2415 - 2322	- 1560 - 1429 - 1298 - 1167 - 1035
1.95	- 1742	- 2499	- 2727	- 2224	- 0903
1.96	- 1852	- 2539	- 2691	- 2122	- 0772
1.97	- 1955	- 2570	- 2648	- 2017	- 0641
1.98	- 2050	- 2594	- 2599	- 1908	- 0512
1.99	- 2137	- 2609	- 2543	- 1797	- 0385
2.00	- 2215	- 2617	- 2481	- 1683	0259
2.01	- 2285	- 2616	- 2414	- 1567	0136
2.02	- 2347	- 2609	- 2341	- 1449	0016
2.03	- 2401	- 2594	- 2264	- 1330	.0102
2.04	- 2446	- 2572	- 2182	- 1811	.0217
205	- 2484	- 2543	- 2096	- 1090	.0328
206	- 2513	- 2507	- 2005	- 0970	.0436
207	- 2534	- 2466	- 1912	- 0849	.0540
203	- 2548	- 2418	- 1815	- 0729	.0640
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211	- 2544	- 2241	- 1508	- 0375	.0913
212	- 2528	- 2172	- 1402	- 0261	.0996
213	- 2506	- 2099	- 1295	- 0148	.1073
213	- 2477	- 2021	- 1186	- 0037	.1145
215	- 2441	- 1940	- 1077	0071	1213
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217	- 2352	- 1766	- 0857	0278	1332
218	- 2299	- 1675	- 0747	0377	1384
219	- 2240	- 1581	- 0638	0472	1431
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321	- 2109	- 1387	0423	0651	1509
222	- 2036	- 1887	0317	0735	1541
223	- 1960	- 1186	0213	0815	1567
324	- 1879	- 1084	0110	0890	1588
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	1.5.3	- 3330	- 3259	- 2767	- 2372	- 2088
1-1	1.56	- 3397	- 3173	- 2576	- 2155	- 1867
	1.57	- 3399	- 3127	- 2499	- 2073	- 1785
	1.58	- 3392	- 3073	- 2418	- 1987	- 1700
1466	1.61 1.62 1.63	- 3312 - 3267 - 3214	- 2867 - 2785 - 2697	- 2143 - 2043 - 1939	- 1606 - 1504	- 1428 - 1332 - 1235
171	1.66	- 3009	- 2399	- 1609	- 1187	- 0936
	1.67	- 2927	- 2290	- 1494	- 1078	- 0835
	1.68	- 2837	- 2176	- 1378	- 0969	- 0734
1.76	1.71	- 2535	- 1817	- 1021	- 0641	- 0432
	1.72	- 2424	- 1691	- 0902	- 0532	- 0333
	1.73	- 2309	- 1564	- 0782	- 0425	- 0235
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	1.78	- 1682	- 0912	- 0197	£0091	.0227
186	1.81	- 1280	- 0522	0132	D373	.0475
	1.82	- 1145	- 0395	0237	D461	.0552
	1.83	- 1010	- 0269	0338	D546	.0625
191	1.86	- 0607	0094	0622	0779	.0824
	1.87	- 0474	0209	0710	0849	.0883
	1.88	- 0344	0321	0793	0915	.0938
196	191	.0034	.0636	1017	1088	1080
	192	.0154	.0733	1083	1138	1119
	193	.0271	.0825	1145	1183	1155
201	1.96	Д600	1075	1301	1291	1836
	1.97	Д702	1149	1344	1319	1855
	1.98	Д799	1318	1381	1342	1870
2.06 2.07 2.07 2.08 2.08 2.08 2.08 2.09 2.1454 2.1606 2.1512 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1504 2.1507 2.1607 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.1608 2.16	2.03 2.03	1063 1141 1214	1394 1442 1485	1466 1485 1499	1385 1392 1394	1292 1292 1288
231     1609     1646     1457     1277     1140       212     1634     1644     1434     1215     1074       213     1655     1637     1408     1215     1074       214     1670     1626     1378     1180     1038       215     1680     1610     1345     1143     1000       216     1685     1591     1309     1103     0960       217     1685     1567     1270     1061     0919       218     1671     1508     1184     0972     0875       220     1657     1474     1138     0924     0784       221     1639     1436     1089     0825     0737       222     1616     1395     1039     0825     0737       223     1590     1350     1039     0722     0640       224     1560     1304     0933     0722     0591	2.06	1402	1583	1515	1377	1256
	2.07	1454	1606	1512	1363	1238
	2.08	1501	1623	1504	1347	1218
216     1685     1591     1309     1103     0960       217     1685     1567     1270     1061     0919       218     1680     1540     1228     1017     0875       219     1671     1508     1184     0972     0830       220     1657     1474     1138     0924     0784       221     1639     1436     1089     0875     0737       222     1616     1395     1039     0825     0689       323     1590     1350     0987     0774     0640       224     1560     1304     0933     0722     0591	213	1609	1646	1457	1277	1140
	815	1634	1644	1434	1247	1108
	811	1655	1637	1408	1215	1074
221 1639 1436 1089 0875 0737 222 1616 1395 1039 0885 0689 223 1590 1350 0987 0774 0640 224 1560 1304 0933 0722 0591	216	1685	1591	1309	1103	0960
	217	1685	1567	1270	1061	0919
	218	1680	1540	1288	1017	0875
225 1526 1254 D878 D668 D540	2.21	1639	1436	1089	.0875	D737
	2.22	1616	1395	1039	.0825	D689
	3.23	1590	1350	0987	.0774	D640
	2.25	1526	1254	.0878	.D 6 6 8	.0540

W<sub>6</sub> (x,r)

			W <sub>6</sub> (x,r)		
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225 226 227 228 229	- 1796 - 1709 - 1619 - 1527 - 1433	- 0988 - 0879 - 0776 - 0674 - 0572	- 0010 0087 0182 0275	0962 1028 1028 1148 1201	1604 1615 1623 1623 1620
230 231 232 233 234	- 1337 - 1240 - 1141 - 1042 - 0942	0471 0371 0872 0176 0080	.0450 .0532 .0611 .0687 .0758	1249 1292 1331 1365 1394	1612 1600 1584 1563 1539
235 236 237 238 239	- 0841 - 0741 - 0541 - 0542 - 0444	.0013 .0103 .0191 .0877 .0360	.0826 .0890 .0949 .1005 .1056	1419 1438 1454 1465 1471	1511 1479 1444 1406 1364
2.40 2.41 2.42 2.43 2.44	- 0346 - 0250 - 0156 - 0063 .0027	.0439 .0516 .0589 .0658	1103 1146 1184 1218 1248	1473 1471 1464 1454 1440	1380 1873 1823 1171 1118
2.45 2.46 2.47 2.48 2.49	0115 0201 0284 0364 0441	0787 .0845 .0940 .0951 .0998	1273 1294 1311 1324 1333	1422 1400 1375 1376 1315	1062 1005 .0946 .0886
2.50 2.51 2.52 2.53 2.53	D515 D586 D653 D716 D776	1041 1079 1114 1144 1171	1338 1339 1335 1388 1317	1280 1243 1203 1160 1115	0762 0700 0637 0573 0510
8.55 8.56 8.57 8.58 8.59	.0833 .0886 .0935 .0980 1021	1194 1212 1227 1238 1246	1304 1286 1286 1242 1215	1069 1020 0970 0918 0865	.0447 .0384 .0359 .0259
2.60 2.61 2.62 2.63 2.64	1058 1091 1121 1146 1168	1249 1249 1245 1238 1238	1186 1154 1119 1082 1043	0810 0755 0699 0642 0584	.0138 .0078 .0030 0036 0091
265 266 267 268 269	1186 1200 1210 1216 1319	1214 1197 1177 1154 1189	1002 0959 0914 0868 0881	0527 0469 0412 0354 0298	0145 0197 0247 0295 0341
8.70 8.71 8.72 8.73 2.74	1218 1214 1296 1182	1100 1070 1037 1002 0965	0778 0788 0688 0680 0568	.0241 .0185 .0131 .0077 .0084	- 0384 - 0486 - 04665 - 0538
2.75 2.76 2.77 2.78 2.79	1165 1145 1122 1097 1069	.0926 .0885 .0843 .0800 .0755	0516 0464 0412 0359 0307	0028 0078 0127 0174 0219	- 0570 - 0600 - 06523 - 0676
280 881 882 883 884	1039 1006 0972 0935 0897	0709 0662 0615 0567 0518	0256 .0204 .0154 .0104 .0056	- 0263 - 0305 - 0345 - 0383 - 0419	- 0696 - 0714 - 0729 - 0742 - 0752
2.85 2.86 2.87 2.88 2.89	.0857 .0816 .0773 .0729 .0684	.0470 .0421 .0372 .0383 .0374	.0008 0039 0084 0188 0170	- 0453 - 0485 - 0515 - 0543 - 0568	- 2760 - 2766 - 2769 - 2770 - 2769
290 391 392 293 294	0639 0592 0545 0498 0450	0226 0179 0132 0085 0040	- 0211 - 0251 - 0288 - 0324 - 0359	- 9591 - 9618 - 9630 - 9647 - 9661	0765 0760 0752 0743 0731
295 296 297 298 299	.0402 .0355 .0367 .0360 .0313	- 0004 - 0047 - 0089 - 0130 - 0169	- 0391 - 0421 - 0450 - 0476 - 0501	- 0678 - 0688 - 0690 - 0695 - 0698	0718 0703 0668 0668
3.00	.0166	0207	- 0523	- 2699	- D63B

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236	1488	1202	0822	0615	0490
237	1447	1148	0765	0561	0440
239	1404	1092	0707	0506	0389
239	1357	1035	0649	0452	0338
230	1307	0976	0590	0397	.0288
231	1255	0915	.0530	0343	.0238
232	1201	0853	.0471	0269	.0189
233	1145	0791	.0412	0235	.0140
234	1086	0728	.0353	0183	.0092
235	1026	0664	0295	0130	0045
236	0965	0600	0237	0079	- 0001
237	0902	0535	0179	0029	- 0046
238	0839	0471	0123	- 0020	- 0089
239	0774	0407	0068	- 0068	- 0133
2.40	.0709	0343	.0014	- 0115	- 0173
2.41	.0643	0380	0039	- 0160	- 0212
2.42	.0578	0318	0091	- 0805	- 0250
2.43	.0512	0156	0141	- 0245	- 0287
2.44	.0446	0096	0189	- 0285	- 0321
2A5	0381	.0037	- 0236	- 0324	0354
2A6	0316	0021	- 0281	- 0360	0385
2A7	0252	0077	- 0364	- 0395	0415
2A8	0188	0132	- 0365	- 0428	0442
2A9	0126	0185	- 0404	- 0459	0468
250	0065	- 0237	0441	- 0487	- 0491
251	0005	- 0286	0476	- 0514	- 0513
252	- 0053	- 0333	0508	- 0538	- 0532
253	- 0110	- 0378	0538	- 0561	- 0535
254	- 0165	- 0421	0566	- 0581	- 0565
2.55	- 0218	- 0462	- 0592	- 0599	- 0579
2.56	- 0270	- 0500	- 0615	- 0615	- 0591
2.57	- 0319	- 0537	- 0637	- 0629	- 0601
2.58	- 0366	- 0570	- 0655	- 0640	- 0609
2.59	- 0411	- 0602	- 0672	- 0650	- 0614
2.60	- 0454	- 0631	0686	- 0658	- 0619
3.51	- 0494	- 0657	0698	- 0663	- 0621
2.62	- 0532	- 0681	0708	- 0667	- 0621
2.63	- 0568	- 0702	0715	- 0668	- 0620
2.64	- 0601	- 0721	0721	- 0668	- 0617
2.65	- 0632	- 0737	- 0724	- 0666	- 0612
2.66	- 0660	- 0751	- 0725	- 0662	- 0606
2.67	- 0685	- 0752	- 0724	- 0656	- 0598
2.68	- 0708	- 0771	- 0720	- 0648	- 0598
2.69	- 0728	- 0778	- 0715	- 0639	- 0577
2.70	- 0746	0782	0708	- 0628	0565
2.71	- 0761	0784	0699	- 0616	0552
2.72	- 0774	0783	0689	- 0602	0537
2.73	- 0784	0780	0677	- 0587	0521
2.74	- 0792	0776	0663	- 0571	0504
2.75	- 0797	0769	- 0647	- 0553	- 0486
2.76	- 0800	0760	- 0630	- 0534	- 0467
2.77	- 0801	0749	- 0612	- 0515	- 0447
2.78	- 0799	0736	- 0592	- 0494	- 0427
2.79	- 0795	0722	- 0572	- 0472	- 0406
280	- 0788	- 2705	0550	- 0450	- 0384
281	- 0780	- 2688	0527	- 0426	- 0361
282	- 0770	- 2668	0503	- 0403	- 0318
283	- 0758	- 2648	0478	- 0378	- 0315
284	- 0744	- 2625	0453	- 0353	- 0891
285	- 0728	- 0602	0427	- 0328	- 0267
286	- 0710	- 0578	0400	- 0302	- 0243
287	- 0691	- 0552	0373	- 0277	- 0219
288	- 0670	- 0526	0345	- 0251	- 0195
289	- 0648	- 0498	0318	- 0226	- 0171
290	- 0625	- 0470	0289	- 0199	- 0147
291	- 0600	- 0442	0261	- 0173	- 0123
292	- 0575	- 0412	0233	- 0147	- 0100
293	- 0548	- 0383	0205	- 0121	- 0076
294	- 0520	- 0353	0177	- 0096	- 0053
295	- 0492	- 0332	0149	- 0071	- 0031
296	- 0463	- 0392	0121	- 0047	- 0009
297	- 0433	- 0261	0094	- 0023	0013
298	- 0403	- 0331	0067	0001	0034
299	- 0372	- 0300	0041	0024	0054
3.00	0341	0170	0015	۵ 0 4 6	.0074

			W <sub>6</sub> (x,r)		
X	1	l.i	1.25	1.5	2.0
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3.01	0181	- 0244	0543	- 3698	0606
3.02	.0076	- 0279	0562	- 2695	0582
3.03	.0032	- 0312	0578	- 2690	0558
3.04	0011	- 0343	0592	- 2684	0532
3.05	- 0053	0373	0604	0675	0506
3.06	- 0094	0401	0614	0665	0479
3.07	- 0134	0427	0633	0653	0451
3.08	- 0172	0451	0633	0640	0422
3.09	- 0308	0473	0633	0685	0393
310	- 0244	- 0494	- 0635	- 0608	0364
311	- 0277	- 0512	- 0636	- 0591	0334
312	- 0379	- 0529	- 0634	- 0572	0304
313	- 0340	- 0544	- 0631	- 0552	0374
314	- 0369	- 0556	- 0686	- 0531	0344
3.15	- 0396	0567	0630	0508	- 0214
3.16	- 0421	0576	0612	0485	- 0184
3.17	- 0444	0583	0602	0461	- 0185
3.18	- 0465	0589	0591	0437	- 0185
3.19	- 0485	0592	0578	0411	- 0096
320 321 322 323 324	- 0503 - 0513 - 0545 - 0555	0594 0594 0592 0589 0584	0564 0549 05328 0515 0496	- 0386 - 0359 - 0333 - 0306 - 0278	- 0067 - 0039 - 0011 .0015 .0042
325	- 0563	- 0577	0477	- 0251	0067
326	- 0570	- 0569	0456	- 0224	.0092
327	- 0575	- 0559	0435	- 0196	.0115
328	- 0578	- 0549	0413	- 0169	.0138
329	- 0579	- 0536	0390	- 0142	.0160
330	- 0579	- 0523	- 0367	0115	0181
331	- 0577	- 0509	- 0343	0089	0301
332	- 0573	- 0493	- 0319	0063	0320
333	- 0568	- 0476	- 0295	0037	0337
333	- 0562	- 0459	- 0270	0012	0354
335	- 0554	- 0440	0346	0012	0269
336	- 0544	- 0421	0231	0036	0284
337	- 0533	- 0401	0196	0059	0297
338	- 0521	- 0380	0171	0082	0309
339	- 0508	- 0359	0146	0104	0330
3.40 . 3.41 . 3.43 3.44	- 0494 - 0478 - 0462 - 0445 - 0426	- 0337 - 0315 - 0892 - 0270 - 0847	- 0122 0098 - 0094 - 0050 - 0087	.0124 .0144 .0163 .0181 .0199	0329 0338 0345 0351 0356
3.45 3.46 3.47 3.48 3.49	- 0407 - 0388 - 0368 - 0347 - 0325	- 0223 - 0200 - 0177 - 0154 - 0131	0004 .0018 .0040 .0060	0215 0230 0244 0257 0269	.0360 .0363 .0364 .0365
350 3552 3553 354	- 0304 - 0282 - 0259 - 0237 - 0214	- £108 - £0085 - £0063 - £0019	.0100 .0119 .0137 .0154 .0170	.0280 .0290 .0299 .0307 .0313	0363 0360 0356 0352 0347
355	- 0191	0002	.0185	0319	.0340
356	- 0169	0022	.0200	0324	.0333
357	- 0146	0042	.0213	0327	.0326
358	- 0124	0062	.0226	0330	.0317
359	- 0101	0080	.0238	0331	.0308
3.60	- 2079	D098	0248	.0332	0298
3.61	- 2058	D116	0258	.0331	0287
3.62	- 2036	D132	0267	.0330	0276
3.63	- 2015	D148	0274	.0328	0264
3.64	2005	D163	0281	.0324	0252
3.65	.0025	.0177	.0287	0320	.0240
3.66	.0044	.0190	.0892	0316	.0827
3.67	.0063	.0203	.0296	0310	.0214
3.68	.0081	.0214	.0299	0304	.0300
3.69	.0099	.0235	.0301	0297	.0186
3.7 0	0116	.0235	.0302	0289	0173
3.7 1	0132	.0243	.0302	0280	0158
3.7 2	0147	.0251	.0301	0271	0144
3.7 3	0161	.0258	.0300	0262	0130
3.7 4	0175	.0264	.0297	0252	0116
3.75	.0188	.0 2 6 9	.0294	0241	.0101

140 ( 7.11	W	(x	r)
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			W <sub>6</sub> (x,r)		
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3.02	- 0279	- 0110	0035	0089	0111
5.03	- 0248	- 0081	0059	0109	0129
5.04	- 0217	- 0052	0082	0128	0145
3.05	- £186	0024	0105	0147	0161
3.06	- £155	.0004	0126	0164	0176
3.07	- £124	.0031	0147	0181	0190
3.08	- £094	.0057	0167	0197	0204
3.09	- £064	.0082	0185	0211	0216
310 311 312 313 314	- 0035 - 0007 0081 0048	0107 0130 0153 0174 0195	0203 0220 0235 0250 0264	0825 0238 0250 0261 0271	0227 0238 0247 0256 0264
315	0100	0215	.0276	0279	0270
316	0124	0233	.0287	0287	0276
317	0148	0233	.0298	0294	0281
318	0170	0267	.0307	0300	0285
319	0192	0282	.0315	0305	0288
3.20 3.21 3.23 3.25 3.24	0212 0231 0230 0267 0282	0395 0308 0320 0330	0338 0338 0338 0338	0308 0311 0313 0314 0314	0290 0291 0292 0291 0290
325	0297	0347	0340	0313	0288
326	0310	0353	0341	0311	0285
327	0322	0359	0340	0308	0281
328	03333	0363	0339	0305	0277
329	0343	0366	0337	0305	0272
330	0352	0368	0334	£296	0266
331	0359	0369	0329	£290	0260
332	0365	0369	0325	£284	0253
333	0370	0368	0319	£277	0246
334	0374	0366	0312	£269	0238
335 336 337 338 339	0376 0378 0378 0377 0377	0363 0359 0353 0348 0341	0305 0297 0289 0279 0270	.0261 .0252 .0243 .0233	0229 0220 0211 0201 0191
3.40	0373	Q333	0259	0212	0181
3.41	0369	Q325	0249	0201	0170
3.42	0364	Q316	0237	0190	0160
3.43	0358	Q306	0236	0179	0149
3.43	0358	Q296	0214	0167	0138
3.45	0344	0285	0201	0155	0126
3.46	0336	0273	0189	0143	0115
3.47	0327	0261	0176	0131	0104
3.48	0327	0248	0163	0118	0092
3.49	0307	0236	0150	0106	0081
3.50	0296	.0222	0137	0094	0069
3.51	0284	.0209	0133	0082	0058
3.52	0272	.0195	0110	0069	0047
3.53	0272	.0181	0097	0057	0036
3.54	0259	.0167	0083	0045	0025
3.55 3.56 3.57 3.58 3.59	0233 0235 02191 0176	0152 0138 0123 0109 0094	0070 0057 0044 0031 0019	0034 0022 0011 - 0001 - 0011	0014 0004 - 0006 - 0016 - 0026
3.60	0162	0080	0007	- 0022	- 0035
3.61	0147	0066	- 0005	- 0032	- 0044
3.62	0132	0052	- 0017	- 0042	- 0053
3.63	0117	0038	- 0028	- 0052	- 0061
3.64	0102	0024	- 0039	- 0061	- 0069
3.65	0088	0011	0050	- 1070	- 0076
3.66	0073	- 0002	0060	- 1078	- 0083
3.67	0059	- 0015	0070	- 1086	- 0090
3.68	0044	- 0027	0079	- 1093	- 0096
3.69	0030	- 0039	0088	- 1100	- 0102
3.70 3.71 3.72 3.73 3.74	0016 0003 - 0010 - 0023 - 0036	- 0051 - 0062 - 0073 - 0083	- 0096 - 0104 - 0112 - 0119 - 0125	- 0107 - 0113 - 0118 - 0124 - 0128	- 0108 - 0113 - 0117 - 0121 - 0185
3.75	0048	- 0102	- 0131	- 0138	- D128

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We	ŧ	X.	r)

	i i	1.1	W <sub>6</sub> (x,r)	1.5	2.0
3.75	Δ188	0869	.0294	.0241	.0101
3.76	0800	.0274	0290	.0830	20087
3.77	0211	.0877	0286	.0219	20073
3.78	0221	.0880	0280	.0207	20059
3.79	0830	.0281	0374	.0195	20045
3.80 3.81 3.82 3.83 3.84	.0239 .0246 .0253 .0259 .0264	0282 0282 0281 0280 0277	.0268 .0261 .0253 .0244 .0236	.0183 .0171 .0158 .0145 .0145	.0032 .0018 .0005 0008
3.85 3.86 3.87 3.88 3.89	0268 0271 0273 0275 0275	0274 0270 .0866 .0261 .0255	.0226 .0217 .0207 .0196 .0185	0119 0106 0093 0080	- 0032 - 0044 - 0055 - 0066
3.90 3.91 3.92 3.93 3.94	0875 0274 0273 0273 0270		0174 0163 0158 0158 0140	.0055 .0042 .0030 .0017	- 0086 - 0096 - 0105 - 0113 - 0121
3.95	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	.0209	0117	0006	- 0128
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3.97		.0191	0093	0028	- 0141
3.98		.0181	0081	0039	- 0147
3.99		.0171	0069	0049	- 0152
4.00	0235	0160	0058	- 2059	0157
4.01	0227	0150	.0046	- 2069	0161
4.02	0220	0139	.0035	- 2078	0164
4.03	0211	0128	.0024	- 2086	0167
4.04	0203	0117	.0013	- 2094	0169
4.05	0194	.0106	0002	- 0108	- 0171
4.06	0184	.0095	- 0009	- 0109	- 0172
4.07	0175	.0084	- 0019	- 0116	- 0173
4.08	0165	.0073	- 0029	- 0122	- 0173
4.09	0155	.0062	- 0038	- 0138	- 0173
410	.0144	0051	- 0048	- D133	- 0172
411	.0134	0040	- 0057	- D138	- 0171
412	.0123	0030	- 0065	- D148	- 0169
413	.0112	0019	- 0073	- D146	- 0167
414	.0102	0009	- 0081	- D149	- 0165
415	.0091	- 0001	0088	- D158	- 0162
416	.0080	- 0011	0095	- D154	- 0158
417	.0069	- 0020	0101	- D155	- 0155
418	.0059	- 0029	0107	- D157	- 0151
419	.0048	- 0038	0113	- D157	- 0146
420	.0038	- 0047	- 0118	- 0158	- 0141
421	.0027	- 0055	- 0123	- 0157	- 0136
422	.0017	- 0063	- 0127	- 0157	- 0131
423	.0007	- 0070	- 0130	- 0156	- 0136
424	0002	- 0077	- 0134	- 0154	- 0126
425	0013	- 0084	- 0136	- 0158	- 0114
426	0021	- 0090	- 0139	- 0150	- 0108
427	0030	- 0096	- 0141	- 0147	- 0101
428	0039	- 0102	- 0142	- 0144	- 0095
429	0047	- 0107	- 0143	- 0141	- 0089
430	0055	0111	0143	0137	- 0088
431	0063	0116	0143	0133	- 0075
432	0070	0119	0143	0129	- 0068
433	0077	0123	0142	0124	- 0068
434	0083	0126	0141	0120	- 0055
435 436 437 438 439	- 0089 - 0095 - 0100 - 0105 - 0110	- 0128 - 0130 - 0132 - 0133 - 0134	0140 0138 0136 0133	- 0115 - 0109 - 0104 - 0098 - 0093	0048 0041 0035 0088 0081
4.40	- 0114	- 0134	- 0127	- 0087	- 0015
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4.42	- 0120	- 0134	- 0120	- 0075	- 0002
4.43	- 0123	- 0133	- 0116	- 0069	0004
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4.45	0127	- 0130	0108	0057	Q015
4.46	0129	- 0128	0103	0050	Q011
4.47	0130	- 0126	0098	0044	Q026
4.48	0131	- 0124	0093	0038	Q031
4.49	0131	- 0121	0088	0032	Q036
4.50	0131	- 0118	0083	- 2026	£041

w	10	~ )
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	<del>,</del>	<del></del>	W <sub>e</sub> (x,r)		<del></del>
X	3.0	4.0	6.0	8.0	10.0
3.75	0048	- 0102	- 0131	- 0132	- 0128
3.76	0059	- 0111	- 0136	- 0136	- 0131
3.77	0070	- 0119	- 0141	- 0139	- 0133
3.78	0081	- 0127	- 0145	- 0142	- 0135
3.79	0091	- 0134	- 0149	- 0144	- 0136
3.80	- 0101	- 0140	- 0153	- 0146	- 0137
3.81	- 0110	- 0146	- 0155	- 0147	- 0138
3.82	- 0119	- 0152	- 0158	- 0148	- 0138
3.83	- 0127	- 0157	- 0159	- 0149	- 0138
3.84	- 0134	- 0161	- 0161	- 0149	- 0137
3.85 3.86 3.87 3.88 3.89	- 0141 - 0148 - 0153 - 0159 - 0163	- 0165 - 0168 - 0170 - 0172 - 0174	- 0161 - 0162 - 0161 - 0160	- 0148 - 0148 - 0146 - 0145 - 0143	- 0136 - 0135 - 0133 - 0131 - 0129
390	- 0167	- 0175	- 0158	- 0140	- 0126
391	- 0171	- 0175	- 0156	- 0138	- 0123
392	- 0174	- 0175	- 0154	- 0134	- 0120
393	- 0176	- 0175	- 0151	- 0131	- 0116
394	- 0178	- 0174	- 0148	- 0127	- 0113
395	- 0179	- 0172	- 0145	- 0124	- 0109
396	- 0180	- 0170	- 0141	- 0119	- 0104
397	- 0180	- 0168	- 0137	- 0115	- 0100
398	- 0179	- 0165	- 0132	- 0110	- 0095
399	- 0178	- 0162	- 0128	- 0106	- 0091
4.00	- 0177	- 0158	- 0123	0100	0086
4.01	- 0175	- 0154	- 0118	0095	0081
4.02	- 0173	- 0150	- 0113	0090	0076
4.03	- 0170	- 0145	- 0107	0084	0070
4.04	- 0167	- 0140	- 0101	0079	0065
4.05	- 0163	- 0135	- 0095	~ 0075	0060
4.06	- 0159	- 0129	- 0089	- 0068	0054
4.07	- 0155	- 0124	- 0083	- 0068	0049
4.08	- 0151	- 0118	- 0077	- 0056	0043
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410	- 0140	- 0105	- 0065	0044	- 0033
411	- 0135	- 0099	- 0058	0038	- 0027
412	- 0129	- 0098	- 0058	0033	- 0022
413	- 0123	- 0086	- 0046	0027	- 0017
414	- 0117	- 0079	- 0039	0021	- 0012
415 416 417 418 419	- 0110 - 0104 - 0097 - 0090 - 0084	- 0072 - 0065 - 0058 - 0052 - 0045	- 0033 - 0027 - 0021 - 0015 - 0009	- 0016 - 0010 - 0005 - 0001 - 0006	- 0007 - 0003 - 0008 - 0012
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421	- 0070	- 0031	.0003	0016	0021
428	- 0063	- 0024	.0008	0020	0025
423	- 0055	- 0018	.0014	0025	0029
423	- 0048	- 0011	.0019	0029	0033
425	- 0041	- 2005	0024	0033	0037
426	- 0035	2001	0029	0037	0040
427	- 0028	2007	0033	0041	0043
428	- 0021	2013	0038	0044	0046
429	- 0014	2019	0042	0048	0049
430	- 2008	0024	.0046	0051	0051
431	- 2001	0030	.0050	0054	0054
432	2005	0035	.0053	0056	2056
433	2011	0040	.0057	0059	2058
434	2017	0044	.0060	0061	2059
435 436 437 438 439	0023 0028 0034 0039 0043	0049 0053 0057 0050 0064	0062 0067 0069 0071	063 065 0066 0068 0069	0061 0062 0063 0064 0065
4.40	0048	0067	.0073	0070	00 6 5
4.41	0052	0070	.0074	0070	00 6 6
4.42	0057	0072	.0075	0071	00 6 6
4.43	0060	0075	.0076	0071	00 6 6
4.44	0064	0077	.0076	0071	00 6 5
4.45	0067	0078	0077	0071	0065
4.46	0070	0080	0077	0070	0064
4.47	0073	2081	0077	0070	0063
4.48	0075	2082	0077	0069	0062
4.49	0078	2083	0076	0068	0061
4.50	0800	£80£	.0075	2067	.00 60

W. I	ĺX	1

W <sub>6</sub> (x, r)					
X	1	1.1	1.25	1.5	2.0
450 451 452 453 454	- 0131 - 0130 - 0130 - 0128 - 0127	- 0118 - 0115 - 0108 - 0104	- 0083 - 0078 - 0078 - 0067 - 0061	- 0026 - 0020 - 0014 - 0008 - 0003	0041 0046 0050 0054 0058
4.55 4.56 4.57 4.58 4.59	- 0125 - 0123 - 0120 - 0118 - 0115	- 0099 - 0095 - 0096 - 0081	- 0055 - 0050 - 0044 - 0039 - 0033	0003 0008 0014 0019 0024	.0061 .0064 .0067 .0070
4.50 4.51 4.52 4.63 4.64	- 0112 - 0108 - 0104 - 0100 - 0096	- 2076 - 2071 - 2066 - 2061 - 2056	0027 0022 0017 0011	0028 0033 0037 0041 0045	D074 D076 D078 D079 D081
4.55 4.56 4.57 4.58 4.59	- 0092 - 0088 - 0083 - 0078 - 0073	0050 0045 0045 0035 0029	- 0001 .0004 .0009 .0014 .0018	0049 0058 0058 0058 0058	0082 0082 0082 0082 0082
4.70 4.71 4.72 4.73 4.74	~ .0069 ~ .0064 ~ .0059 ~ .0053 ~ .0048	- 0024 - 0019 - 0014 - 0009 - 0004	0023 0027 0031 0035 0038	0063 .0066 .0068 .0069 .0071	0082 0081 0080 0079 0078
4.75 4.76 4.77 4.78 4.79	0043 0038 0033 0028 -	.0 0 0 0 .0 0 0 5 .0 0 1 0 .0 0 1 4 .0 0 1 8	0042 0045 0048 0051 0054	D 072 D 073 D 074 D 074 D 075	0077 0075 0073 0072 0072
4.80 4.81 4.83 4.83 4.84	0018 0013 0008 0003	0022 0026 0033 0033	0056 0058 0060 0062 0064	0075 0075 0075 0074 0073	D067 D065 D062 D060 D057
4.85 4.86 4.87 4.88 4.89	0006 0010 0014 0018 0022	.0040 .0043 .0046 .0048	0065 0066 0067 0067	0072 0071 0070 0069	0054 0051 0048 0045 0045
4.90 4.91 4.92 4.93 4.94	0026 0030 0033 0036 0040	.0053 .0055 .0057 .0058 .0060	.0068 .0068 .0068 .0068	0065 0063 0061 0059	0039 0036 0033 0033 0039
495 496 497 498 499	0048 0048 0050 0058	0061 0062 0063 0063 0064	.0066 .0066 .0065 .0063	0054 0052 0049 0047 0044	.0023 .0020 .0016 .0013 .0010
5.00	.0054	.064	0061	£041	7000
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Ll		L			

 $W_6(x,r)$ 

	<u> </u>		W <sub>6</sub> (x,r)		T
X	3.0	4.0	6.0	0.8	0.01
4.50 4.51 4.52 4.53 4.54	0080 0081 0083 0084 0084	2800. 2800. 2800. 2800. 2800.	0075 0074 0073 0073 0070	0067 0065 0064 0062 0061	2060 2059 2057 2055 2054
455 456 457 458 459	085 0085 0085 0085 0085	0082 0081 0080 0078 0077	0069 .0067 .0065 .0063 .0061	0059 0057 0055 0052 0050	0058 0050 0048 0045 0045
450 451 452 453 454	0084 0083 0082 0081 0079	0075 0073 0071 0069 0067	0058 0056 0053 0051 0048	0048 0045 0043 0040 0038	.0041 .0038 .0036 .0033 .0031
4.65 4.66 4.67 4.68 4.69	.0078 .0076 .0074 .0072 .0069	0064 0062 0059 0056 0053	D045 D043 D040 D037 D034	# 035 # 032 # 029 # 027 # 024	0028 0026 0023 0021 0018
4.70 4.71 4.72 4.73 4.74	.0067 .0064 .0061 .0058 .0056	0050 0047 0044 0041 0038	0031 0028 0025 0022 0019	D 021 D 018 D 016 D 013 D 010	0016 0013 0010 0008 0006
4.75 4.76 4.77 4.78 4.79	0052 0049 0046 0043 0040	0034 0031 0038 0024 0021	0016 0013 0010 0007 0004	2007 2005 2008 2000 - 2003	0003 0001 - 0002 - 0004 - 0006
4.80 4.81 4.82 4.83 4.84	.0036 .0033 .0030 .0026 .0023	0018 0015 0012 0008 0005	0001 - 0001 - 0004 - 0006 - 0009	- 2005 - 2007 - 2010 - 2012 - 2014	- 0008 - 0010 - 0012 - 0014 - 0016
4.85 4.86 4.87 4.88 4.89	0020 0016 0013 0010 0007	2002 - 2001 - 2003 - 2006 - 2009	- 0011 - 0014 - 0016 - 0018 - 0030	- 0016 - 0018 - 0019 - 0021 - 0023	- 0017 - 0020 - 0022 - 0023
490 491 492 493 494	0004 0001 - 0002 - 0005 - 0008	- 0012 - 0014 - 0017 - 0019 - 0021	- 0022 - 0024 - 0025 - 0027 - 0028	- 0024 - 0026 - 0027 - 0028 - 0029	- 2024 - 2026 - 2027 - 2027 - 2028
495 496 497 498 499	- 0011 - 0016 - 0018 - 0021	0023 0025 0027 0029 0030	- 0030 - 0031 - 0032 - 0033 - 0034	- 0030 - 0031 - 0032 - 0033	- 0029 - 0030 - 0030 - 0031 - 0031
0.03	0023	- D032	0035	0033	- D031
				į	
				-	
					<del></del>

54383547

.75

-1.40935176

 $W_7(x,r)$ 1.25 1.5 2.0 1.1 1 8,97141728 8,51054931 8,05305974 7,59975257 7,15141268 4.80754615 4.84887113 4.87602733 7.04228301 6.87563578 001 002 003 04 .50000000 .73868485 2589517**7**1 275985230 6.69810219 97171576 2.91882436 3.06607252 3.20128656 488018123 488854630 141782431 631313788 610713938 589311324 567181388 544400585 521046096 3.32420756 3.43462784 3.53239072 3.61739006 3.68956964 6.70880354 1.62950577 1.83274483 2.02695138 487438133 .05 .06 .07 4.84698854 4.84698854 4.80671158 4.75393348 4.68907412 627266505 584371147 542862948 221158128 238613755 .08 .09 5.01007631 4.60667807 4.21302816 3.82968582 3.45717487 3.09598251 3.74892231 3.79548900 3.82935753 3.85066129 3.85957773 4.61258854 4.52496387 4.48671717 4.31839286 4,97195543 4,78926705 4,48317845 4,23444438 10 11 12 13 14 2.55017138 2.70326287 2.84512162 2.97538703 3.09382844 398384904 420056005 2,74655831 2,40931339 2,08461964 1,77880918 1,47417395 3.73214350 3.48007328 3.22836987 2.97774847 320024510 329448582 337644860 344607988 350337380 4,07380994 3,93875312 3,79601692 3,64624266 3.85632678 3.84116903 3.81440388 15 16 17 18 19 3.77636753 3.49008308 2.72890579 118896539 91739435 .65963108 .41580538 .18600692 248251797 223923862 199969697 176449614 153421160 3.66799751 3.59850102 3.51940310 3.43119097 3.33437494 332819929 20 21 22 24 3.54837112 3.58115812 332819929 316125878 298993217 281489093 263680482 3.60186523 3.61066558 3.60777340 1.30938971 1.09054637 .87816591 .67270003 .47456690 - 03971436 - 83134770 - 41892082 - 59249909 - 75218466 2.45633943 2.27415377 2.09089800 3.59344229 3.56796334 3.53166323 3.48490213 3.42807159 25 26 27 28 29 3,22948598 311707319 299770138 287194823 190721117 - 89811539 -103046373 -114943547 -125536841 1.54103838 1.35974438 1.18042948 1.00364138 .82991145 2.60366045 2.46232465 2.31700049 2.16829433 2.01681101 28415048 10179985 07217121 23748456 336159233 528591193 520150254 310885847 300849384 .30 .31 .32 .33 .34 39389785 -134823096 -142862063 -149676248 -155300747 -159773076 186315164 170791133 155167710 139502582 123852224 65974734 49363160 33202046 17534279 54120457 35 36 37 38 39 290094007 - 84120457 - 67923398 - 80785087 - 92695521 -103648169 2.166646296 2.54066727 2.40993285 -163133008 02399910 -113639912 -122670975 -130744843 -137868174 -144050693 -165422360 -166684873 -166965970 -166312594 -164773020 1.08271713 92814550 77532494 62475408 47691108 827484139 213597739 199398593 184927038 170259021 12163924 40 41 42 43 44 26123075 39446433 52105974 64076787 -162396661 -159233886 -155335826 -150754193 -145541093 33225235 19121134 .05419736 .07840528 1.55445882 1.40544154 1.25609363 1.10695837 95856526 - .75337097 -149305087 45 46 47 48 49 -1.53646884 -1.57094328 -1.59668247 -1.61391910 - 85868264 - 95654781 -104684252 20623827 -112947365 -139748845 -133429807 -126636196 -119419923 32896991 44629582 55793937 66365211 76321399 -162290885 -162392890 -161727633 -160326658 -120437849 -127152423 -133090732 -138255279 81142837 66604466 52289253 38243043 50 51 53 54 38243043 24509557 -142651342 -158223182 -111838428 -146286884 -149172457 -151321097 -152748209 -153471455 -1.03924519 - .95746223 - .87346634 - .78773778 - 85643354 - 94314786 -102322256 -109655155 -116305677 -1.55451930 -1.52048973 -1.48051561 -1.43497951 55 56 57 11130276 01855666 14411572 26503264 38099156 .58 .59 - 138427849 70074481 -132879240 -126894221 -120512850 -113775974 -106724483 -1.53510681 -1.52887497 -1.51625738 -1.49750728 -1.47289439 61294239 52477104 43665576 34900499 -122268778 -127542123 -132126033 -136023416 .60 .61 .62 - 49170308 - 59690474 - 69636138 - 78986533 26220971 -139239685 -144270289 -140722997 -136678434 -132168478 -137225868 - 17664256 - 09265715 - 01058733 06925333 14657210 - 95832278
-103299908
-110116801
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-121772865 -1.41782683 - 99399156 .65 .66 .67 .68 -143662585 -144891805 -145484886 -145458397 91840510 84088660 76183183 68162980 - 1.31884054 - 1.16177051 - 1.10139297 - 1.03805511 - 97210550 £0066156 51989898 43790358 35682552 27640257 28109744 29257932 36078946 48558149 70 71 72 73 74 -1.44830813 -1.43622396 -1.41855076 -1.39552316 -1.26605889 -1.30775774 -1.34285798 -137141658 -139351357 48659099 -1.36738998

90389273

-133441254

- 19695919

			W <sub>7</sub> (x,r)	-	
X	3.0	4.0	6.0	8.0	10.0
901 804 94	967061701, 895084219 825650643 758770693 694450460	939062500 859135734 782865045 710197638 641078038	849666754 768580381 691953252 619665738 551597717	7.71740760 6.94193590 6.21246223 5.58751898 4.88564745	7.09536050 636110978 5.67225944 5.02723356 4.42447315
05	632692364	5.75448120	487628637	428539820	386243641
06	573495120	5113247142	427637567	372533155	333959909
07	516853712	454411792	371503266	320401811	285445488
08	462759394	3.98876252	319104258	272003939	240551583
09	411199685	3.46572261	270318913	227198843	199131288
10	3.62158395	297429196	225025532	1.85847050	1.61039633
11	315615650	251374158	183102442	1.47810383	1.26133645
12	2.71547937	208332074	144428096	1.12952040	94272402
13	2.29928159	168225798	108881174	81136673	.65317100
14	190725702	130976227	76340691	52230475	39131113
15	1.53906514	96503424	46686115	26101266	15580063
16	119433193	64721747	19797476	02618580	- 05468116
17	87265091	35549988	- 04444508	- 18346239	- 24143110
18	57358419	08901510	- 26158318	- 36919955	- 40572150
19	29666375	- 15310600	- 45461499	- 53227335	- 54879950
20	04139268	- 37174381	- 52470546	- £7391067	- £7188631
21	- 19275340	- 56778836	- 77300770	- 79531662	- 77617662
22	- 40632493	- 74213776	- 90066178	- 89767364	- 86283782
25	- 59989680	- 89569652	-100879341	- 98214059	- 93300945
24	- 77406678	-102937389	-109851275	-104985189	- 98780247
25	- 92945387	-114408218	-117091314	-110191662	-1.02829875
26	-106669654	-124073503	-122706988	-113941770	-1.05555037
27	-118645100	-132024576	-126803904	-116341110	-1.07057917
28	-128938939	-138352562	-129485629	-117492502	-1.07437617
29	-137619789	-143148212	-130853578	-117495980	-1.06790110
30	-144757492	-146501733	-131006902	-116448418	-1.05208198
31	-150422923	-148502624	-130042385	-114444069	-1.02781469
32	-154687798	-149239510	-138054341	-111573903	99596262
33	-157624489	-148799984	-125134521	-107925851	95735639
34	-159305829	-147270447	-121372019	-103584694	91279356
35	-1.59804927	-144735961	-116853189	- 98632023	- 86303844
36	-1.59194978	-141280094	-111661569	- 93146195	- 80888195
37	-1.57549081	-136984784	-105877803	- 87203303	- 75084149
38	-1.54940053	-131930199	- 99579580	- 80872151	- 68976092
39	-1.51440354	-126194605	- 92841572	- 74224229	- 63621060
40	-147121410	-119854246	- 85735383	67323704	- 56078739
41	-142054443	-112983222	- 78329505	60232408	- 49405484
42	-136309310	-105653384	- 70689278	53008841	- 42654335
43	-129954836	-97934225	- 52876861	45708171	- 35875043
44	-123058568	-89892790	- 54951208	38382252	- 29114097
45	-115686627	- 81593588	- 46968054	- 31079637	- 28414761
46	-107903565	- 73098512	- 38979906	- 23845606	- 15817117
47	- 99772236	- 64466770	- 31036042	- 16722196	- 09358108
48	- 91353672	- 55754824	- 23182521	- 09748236	- 03071593
49	- 82706963	- 47016332	- 15462190	- 02959395	03011598
50	73889150	- 38302111	- 07914715	03611773	.08863605
51	64955130	- 29660093	- 00576600	09935776	14459462
52	55957555	- 21135305	06518767	15986115	19777036
53	46946760	- 12769845	13341085	21739226	24796946
54	37970682	- 04602873	19863077	27174407	29502484
55 567 589	- 29074801 - 20302079 - 11692921 - 03285132 04886107	03329385 10993643 183599525 25399553 32089111	26060446 31911805 37398618 A2505119 A7218241	32273741 37022017 41406642 45417557 49047143	33879531 37916473 41604104 44935537 47906109
£0	12788263	38406410	51527529	52290122	50513274
£1	20391454	44332440	55425051	55143460	52756512
£2	27668456	49850920	58905312	57606266	54637217
£3	34594693	54948234	61965152	59679688	56158598
£4	41148226	59613374	54603649	61366801	57325570
.65	47309722	63837860	£6822015	£2672507	58144647
.66	53062431	67615668	£8623493	£3603420	58623838
.67	58392140	70943145	.70013246	£4167756	58772533
.68	63287132	73818924	.70998247	£4375221	58601400
.69	67738131	76243827	.71587170	£4236902	58122275
70	71738241	.78220777	.71790273	53765150	57348055
71	75282884	.79754691	.71619285	52973473	56292592
72	78369722	.808522442	.71087291	61876422	542970587
73	20998588	.81522442	.70208618	50489480	53397486
74	83171395	.81775157	.68998717	58828956	51589382
.75	84892058	81622370	67474051	56911872	49562907

W- (x,r)

			W <sub>7</sub> (x,r)		
X	1	1,1	1,25	1.5	2.0
75	-1.40925176	-133441254	90389273	- 19695919	54383547
76	-1.41875517	-129686395	833764431	- 118805746	59711489
77	-1.42816832	-125502717	76206431	- 04223746	64630849
78	-1.41965507	-120919396	68913420	03246574	69132049
79	-1.41139753	-115966346	61530957	10504040	73807383
80	-1.39759486	-110674085	- 54092000	17523978	76851275
81	-1.37846813	-105073603	- 46628776	24283437	80060174
82	-1.358428899	- 99196228	- 39172678	30761832	82838499
83	-1.32513850	- 93073497	- 31754164	36937968	85168590
84	-1.39144580	- 86737029	- 34402668	42796069	87070634
.85	-125341684	- 80818401	- 17146510	48319790	88542607
.86	-121132704	- 73549027	- 10012822	53495226	89590191
.87	-116546003	- 66760038	03027468	58310315	90220707
.88	-11161631	- 59882173	.03785013	.62754826	90443026
.89	-106356196	- 52945668	10401476	.66820354	90267487
90	-1.00812734	- 45980152	16800212	70500291	89705812
91	95010584	- 39014549	22961002	73789809	88771010
92	88980260	- 32076981	28865149	76685821	87477288
93	82752331	- 25194685	34495512	79186947	85839955
94	76357297	- 18393928	39836531	81893466	83875328
95	59825478	- 11699929	44874242	.83007273	81600630
96	53186897	- 05136790	49596292	.84331820	79033899
97	56471171	.01272567	53991941	.85272059	76193888
98	49707411	.07506462	58052057	.85834382	73099945
99	48924117	13544503	61769115	.86026551	69771968
1.00	- 36149087	19367635	£5137177	A5857689	66230253
1.01	- 29409323	24958181	£8151873	85337908	68495429
1.08	- 22730951	30299869	.70810378	84478834	58588353
1.03	- 16139143	35377861	.73111378	A3892923	54530023
1.04	- 09658037	40178774	.75055035	81793689	50341485
1.05	- 03310680	.44690693	76643945	79995554	46043746
1.06	.02881042	.48903177	77878097	77913770	41657691
1.07	.08896455	.53807263	78764817	75564331	37803997
1.08	.14716144	.56395458	79308718	72963892	32703057
1.09	.20321998	.59661735	79516643	70129680	28174904
110	25697246	.62601513	79396504	£7079409	23639139
111	30826486	.65211636	78957717	£3831198	19114863
112	35695713	.67490352	78210137	£0403486	14620615
113	40292330	.69437278	77164991	£6814948	10174305
114	44605166	.71053367	75834304	£3084412	05793167
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116	.52341961	73303280	72368480	45272960	- 09708364
117	.55750723	73945314	70261239	41229766	- 06798134
118	.58845293	74272828	67924101	37119868	- 10761566
119	.61621599	74292787	65372488	32961709	- 14585511
120	64076942	.74013195	£2622276	28773442	- 18257743
121	668100	.734430	.596897	245729	- 217670
122	680207	.725922	.565914	203773	- 251029
123	695103	.714716	.533440	162038	- 282562
124	706814	.700926	.499646	120685	- 318186
125	.715376	.684676	464702	.079874	- 339886
126	.720838	.666095	428777	.039754	- 365480
127	.723260	.645319	392042	.000472	- 388915
128	.723712	.682488	354666	037835	- 410267
129	.719275	.597748	-316815	075038	- 429443
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131	.704099	543137	240343	- 145650	- 461181
132	.692565	513572	202041	- 178839	- 473724
133	.678550	482710	163901	- 210485	- 484053
134	.662176	450707	126072	- 240499	- 492188
138	.543570	#17781	.088698	- 268803	- 498132
136	.522864	383909	.051915	- 295325	- 501934
137	.500196	349428	.015858	- 320004	- 503626
138	.575707	314434	019348	- 342788	- 503253
139	.549545	279079	053585	- 363632	- 500870
140	521856	243515	- 086740	- 382504	- 496535
141	492791	207888	- 118708	- 399376	- 490314
142	462503	172343	- 149398	- 414233	- 482281
143	431143	137020	- 178702	- 427064	- 472512
144	398866	102054	- 206556	- 437871	- 461090
1.45	365824	067576	- 232880	- 446661	448102
1.46	332169	.033710	- 257608	- 453451	433641
1.47	298052	.000575	- 280682	- 458263	417800
1.48	263619	031714	- 302053	- 461129	400677
1.49	229018	063050	- 321678	- 462086	382375
1.50	194389	093334	- 339524	- 461180	- 362994

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			W <sub>7</sub> (x, r)		
X	3.0	4.0	6.0	8.0	10.0
.75	84892058	81622370	£7474051	56911872	A9562907
.76	86166394	81077385	£55651982	54755864	A7335141
.77	87002034	80154848	£3550654	58379071	A4923514
.78	87408321	78870634	£1188886	49800038	A2345711
.79	87596209	77241734	£8586061	47037617	39619585
.80	86978160	75286136	55762019	A4110866	36763068
.81	86168037	73022716	52736952	A1038962	33794090
.82	84980999	70471120	A9531303	37841107	30730493
.83	83433385	67651657	A6165663	34536444	27589961
.84	81542616	64585180	A2660680	31143971	24389942
85	79327071	61292987	39036963	27682464	21147579
86	76805988	57796705	35314993	24170403	17879647
87	73999350	54118191	31515041	20625898	14602490
88	70927773	50279430	27657081	17066622	11331965
89	67612402	46302433	23760718	13509753	.08083386
90	64074805	42209145	19845114	09971910	.04871479
91	60336864	38021351	15928918	06469101	.01710332
92	56420678	33760591	12030201	03016674	01386637
93	52348460	29448071	.08166400	- 00370727	04406728
94	48142437	25104588	.04354264	- 03679206	07337980
95	A3824764	20750453	.00609799	06895646	- 10169204
96	39417425	16405416	03051773	- 10007746	- 12890004
97	34942150	12088606	06616058	- 13004043	- 15490802
98	30420331	17818464	10069520	- 15873939	- 17962846
99	25872942	03612688	13399519	- 18607716	- 20298226
1.00	21320462	- 00511817	- 16594329	- 21196552	- 22489880
1.01	16782810	- 0453899	- 19643170	- 23652550	- 24531599
1.02	12279271	- 08453664	- 22536215	- 25908645	- 26418024
1.03	.07828438	- 12241576	- 25264608	- 28018803	- 28144648
1.04	.03448156	- 15889431	- 27820472	- 29957821	- 29707800
1.05	00844533	- 19384912	- 30196912	- 31781423	- 31104647
1.06	05033440	- 22716708	- 32388011	- 33306827	- 32333169
1.07	09103262	- 25874531	- 34388833	- 34709735	- 33392149
1.08	- 13039632	- 28849127	- 36195410	- 35930314	- 34281153
1.09	- 16829143	- 31632288	- 37804727	- 36967181	- 35000507
110	- 20459380	- 34216854	- 39214716	- 37820377	- 35551275
111	- 23918943	- 36596718	- 40424225	- 38490744	- 35935229
112	- 27197463	- 38766793	- 41433006	- 38979900	- 36154822
113	- 30285619	- 40723062	- 42241684	- 39290203	- 36213159
114	- 33175146	- 42462504	- 42851729	- 39424727	- 36113961
115	- 35858835	- 43983112	- 43265428	- 39387221	- 35861533
116	- 38330541	- 452838589	- 434858512	- 39182078	- 35460730
117	- 40585172	- 46364682	- 43516812	- 38814296	- 34916918
118	- 42618684	- 47226451	- 43362837	- 38289439	- 34235938
119	- 44428067	- 47870939	- 43029120	- 37613598	- 33424064
120	- 46011329	- 48300791	- 42521486	- 36793349	- 33487971
121	- 473675	- 485195	- 418463	- 358357	- 314347
122	- 484965	- 485313	- 410107	- 347481	- 302716
123	- 493993	- 483413	- 400219	- 335383	- 290062
134	- 500777	- 479552	- 388879	- 322145	- 276465
125	- 505346	- 473794	- 376170	- 307849	- 262005
126	- 507733	- 466810	- 362179	- 292582	- 246764
127	- 507985	- 456876	- 346996	- 2926433	- 230825
128	- 506151	- 445874	- 330714	- 259489	- 214273
129	- 502291	- 433290	- 313427	- 241842	- 197192
130	- 496472	- 419215	- 295232	- 223582	- 179667
131	- 488764	- 403744	- 276226	- 204802	- 161788
132	- 479246	- 386975	- 256510	- 185592	- 143621
133	- 468002	- 369008	- 236181	- 166042	- 185266
134	- 455121	- 349948	- 215339	- 146243	- 106799
135	- 440694	- 329899	- 194083	- 186888	088300
136	- 424820	- 308968	- 172511	- 106247	069846
137	- 407599	- 287262	- 150720	- 086283	051514
138	- 389133	- 264889	- 128805	- 066293	033376
139	- 369530	- 241958	- 106860	- 046536	015503
140	- 348895	- 218575	084976	027031	002037
141	- 327340	- 194848	063241	007851	019179
142	- 304974	- 170881	041742	.010931	035863
143	- 281909	- 146780	020560	.029248	052029
144	- 258253	- 182644	.000224	.047036	067624
1.45	- 234119	- 098573	.020536	.064234	.082598
1.46	- 209616	- 074664	.040304	.080786	.096902
1.47	- 184851	- 051011	.059459	.096639	.110496
1.48	- 159933	- 027702	.077939	.111745	.123339
1.49	- 134964	- 004824	.095684	.126060	.135397
1.50	- 110046	.017542	112639	139545	146639
		· · · · · · · · · · · · · · · · · · ·	l		<del></del>

W- I	ĺΧ	r١

	W <sub>7</sub> (x,r)					
X	11	1.1	1.25	1.5	2.0	
1.50	1943	- 0933	- 3395	- 4611	- 3629	
1.51	1597	- 1225	- 3555	- 4584	- 3425	
1.52	1255	- 1504	- 3698	- 4539	- 3212	
1.53	0916	- 1770	- 3821	- 4477	- 2993	
1.54	0582	- 2022	- 3927	- 4399	- 2766	
1.55	.0255	- 2259	- 4014	- 4305	- 2534	
1.56	0066	- 2482	- 4083	- 4197	- 2298	
1.57	0377	- 2689	- 4184	- 4075	- 2059	
1.58	0679	- 2880	- 4167	- 3939	- 1817	
1.59	0971	- 3054	- 4183	- 3792	- 1574	
1.60	- 1251	- 3212	- 4182	- 3633	- 1330	
1.61	- 1519	- 3353	- 4164	- 3463	- 1087	
1.62	- 1775	- 3477	- 4130	- 3284	- 0847	
1.63	- 2015	- 3584	- 4080	- 3097	- 0608	
1.64	- 2244	- 3674	- 4016	- 2902	- 0373	
1.65	- 2456	- 3747	- 3937	- 2700	- 0142	
1.66	- 2654	- 3804	- 3845	- 2493	0083	
1.67	- 2836	- 3864	- 3740	- 2281	0303	
1.68	- 3836	- 3868	- 3623	- 2065	0516	
1.69	- 3151	- 3875	- 3493	- 1846	0722	
1.70	- 3285	- 3867	- 3354	- 1626	0919	
1.71	- 3401	- 3844	- 3205	- 1405	1109	
1.72	- 3502	- 3806	- 3047	- 1184	1888	
1.73	- 3585	- 3754	- 2881	- 0964	1459	
1.74	- 3653	- 3689	- 2708	- 0745	1619	
1.75	- 3704	- 3610	- 2528	- 0529	1770	
1.76	- 3739	- 3519	- 2343	- 0317	1909	
1.77	- 3758	- 3417	- 2153	- 0108	2038	
1.78	- 3763	- 3303	- 1960	0095	2155	
1.79	- 3751	- 3180	- 1763	0294	2261	
1.80	- 3726	- 3047	- 1565	0485	2355	
1.81	- 3686	- 2905	- 1366	0671	2438	
1.82	- 3632	- 2755	- 1166	0848	2508	
1.83	- 3566	- 2598	- 0967	1019	2568	
1.84	- 3487	- 2436	- 0769	1180	2615	
1.85	- 3396	- 2867	- 0573	1333	2652	
1.86	- 3294	- 2094	- 0380	1476	2676	
1.87	- 3181	- 1916	- 0190	1611	2690	
1.88	- 3060	- 1737	- 0005	1735	2692	
1.89	- 2928	- 1554	0177	1850	2695	
190	- 2789	- 1370	0352	1954	3666	
191	- 2642	- 1185	0582	2048	2638	
192	- 2488	- 1001	0685	2131	2599	
193	- 2328	- 0817	0843	2204	25551	
194	- 2164	- 0635	0991	2266	2495	
195	- 1995	- 0454	1133	2318	2430	
196	- 1822	- 0277	1266	2359	2358	
197	- 1646	- 0104	1389	2389	2277	
198	- 1469	- 0066	1505	2409	2190	
199	- 1290	- 0231	1612	2419	2097	
200	- 1111	0391	1710	2420	1998	
201	- 0932	0545	1799	2412	1893	
202	- 0754	0694	1878	2393	1784	
203	- 0578	0835	1948	2367	1670	
204	- 0403	0970	2009	2351	1553	
205	- 0838	1097	2060	2287	1432	
206	- 0064	1217	2101	2235	1309	
207	- 0100	1329	2134	2176	1184	
808	- 0259	1433	2156	2109	1058	
209	- 0413	1529	2170	2036	0930	
#10	.0562	1615	2175	1957	.0808	
211	.0704	1694	2171	1872	.0675	
212	.0840	1763	2159	1782	.0548	
213	.0969	1824	2138	1687	.0481	
214	.1092	1876	2110	1588	.0397	
215	1206	1920	2073	1485	.0174	
316	1313	1954	2030	1379	.0054	
217	1412	1980	1980	1270	0063	
218	1503	1998	1983	1159	0177	
319	1585	2007	1860	1046	0287	
820	1660	2008	1791	0938	- 0394	
821	1725	2001	1717	0818	- 0496	
822	1782	1986	1638	0703	- 0594	
823	1831	1964	1555	0588	- 0686	
824	1871	1934	1467	0474	- 0774	
2.25	1903	1898	1376	£360	~ 0856	

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W⊸	1	×.	r)
777	١	۸.	

	W <sub>7</sub> (x,r)				
X	3.0	4.0	6.0	8.0	10.0
150	- 1100	0175	1126	1395	1466
151	- 0851	0395	1289	1523	1571
152	- 0605	0606	1441	1640	1667
153	- 0364	0810	1584	1748	1753
154	- 0126	1005	1718	1846	1830
155	0106	1192	1841	1935	1899
156	0332	1370	1954	2014	1958
157	0552	1539	2057	2083	2008
158	0764	1697	2149	2143	2049
159	0968	1845	2831	2192	2081
1.60	1163	1982	2302	2232	2104
1.61	1349	2107	2361	2261	2117
1.62	1526	2282	2411	22882	2123
1.63	1692	2325	2449	22892	2119
1.64	1847	2416	2477	2293	2108
1.55	1991	2496	2495	2886	2088
1.66	2124	2564	2502	2269	2060
1.67	2245	2620	2499	2244	2025
1.68	2354	2664	2486	2210	1983
1.69	2452	2697	2464	2168	1934
1.70	2537	2718	2433	2119	1878
1.71	2611	2728	2392	2063	1816
1.72	2672	2727	2344	2000	1749
1.73	2721	2716	2287	1931	1676
1.74	2758	2694	2282	1855	1599
1.75	2784	2662	2151	1774	1517
1.76	2798	2680	2072	1688	1430
1.77	2801	2569	1987	1597	- 1341
1.78	2792	2509	1897	1502	1248
1.79	2773	2441	1801	1404	1152
1.80	2743	2365	1700	1302	1054
1.81	2703	2281	1596	1198	0955
1.82	2653	2190	1487	1092	0853
1.83	26595	2093	1375	1984	0752
1.84	2597	1990	1261	1875	0649
1.85	2452	1882	1144	D764	.0547
1.86	2368	1769	1025	D653	.0444
1.87	2278	1652	0907	D542	.0343
1.88	2180	1531	0787	D432	.0842
1.89	2077	1407	0666	D323	.0143
190	1967	1881	D546	0215	0046
191	1852	1153	D427	0109	- 0049
192	1734	1023	D309	0006	- 0142
193	1612	1023	D193	- 0095	- 0831
194	1486	0893	D079	- 0193	- 0318
195	1357	0632	- 0033	- 0288	- 0401
196	1227	0502	- 0142	- 0380	- 0481
197	1095	0374	- 0247	- 0468	- 0556
198	0962	0247	- 0349	- 0552	- 0628
199	0828	0123	- 0447	- 0632	- 0695
201 201 202 203 203 204	0695 0562 0431 0301 0173	.0001 0117 0233 0344 0452	- £541 - £631 - £716 - £795 - £870	- 0707 - 0778 - 0844 - 0905 - 0961	- 0759 - 0817 - 0871 - 0921 - 0965
2.05	.0047	- 0555	- £940	- 1012	- 1005
2.06	0075	- 0653	- 1004	- 1058	- 1040
2.07	0194	- 0746	- 1063	- 1098	- 1070
2.08	0309	- 0834	- 1116	- 1133	- 1098
2.09	0420	- 0916	- 1163	- 1163	- 1115
210	- 0527	- 0993	- 1205	- 1188	- 1130
811	- 0629	- 1064	- 1241	- 1207	- 1141
212	- 0726	- 1129	- 1271	- 1221	- 1146
213	- 0818	- 1188	- 1295	- 1230	- 1148
214	- 0904	- 1841	- 1314	- 1234	- 1144
215	0984	- 1288	- 1327	- 1233	- 1136
216	- 1058	- 1328	- 1335	- 1228	- 1124
217	- 1127	- 1362	- 1337	- 1217	- 1108
218	- 1189	- 1390	- 1334	- 1202	- 1088
219	- 1245	- 1412	- 1326	- 1183	- 1065
230	- 1295	- 1428	- 1312	- 1160	- 1037
221	- 1338	- 1437	- 1894	- 1133	- 1007
232	- 1375	- 1441	- 1272	- 1102	- 0973
223	- 1405	- 1439	- 1245	- 1067	- 0936
224	- 1430	- 1432	- 1214	- 1029	- 0897
2.25	- 1448	- 1419	- 1179	- D989	- D855

W <sub>7</sub>	(x	r)
117		٠,

X		1.1	W <sub>7</sub> (x,r)	1,5	2.0
8.25	1903	1898	1376	£360	
2.26 2.27 2.28 2.39	1926 1941 1948 1947	1855 1806 1751 1690	1382 1185 1087 0986	0349 0139 0031 - 0073	- 0856 - 0935 - 1005 - 1070 - 1130
230 231 232 233 234	1939 1923 1900 1970 1833	1624 1554 1479 1400 1318	0884 0781 0678 0574 0471	- 0175 - 0274 - 0369 - 0460 - 0547	- 1183 - 1231 - 1237 - 1308 - 1337
235 236 237 238 239	1790 1741 1686 1626 1561	1233 1145 1054 0962 0869	0369 0268 0169 0071 - 0084	- 0629 - 0707 - 0780 - 0848 - 0911	- 1360 - 1377 - 1389 - 1395 - 1395
2.40 2.41 2.42 2.43 2.44	1492 1418 1341 1261 1177	.0774 .0679 .0584 .0488 .0393	0117 0207 0293 0377 0457	- 0969 - 1022 - 1069 - 1110 - 1147	- 1389 - 1378 - 1368 - 1341 - 1316
245 246 247 248 249	1091 1003 0914 0822 0730	0300 0207 0116 0027	- 0533 - 0604 - 0672 - 0735 - 0794	- 1177 - 1203 - 1223 - 1237 - 1246	- 1286 - 1251 - 1213 - 1170 - 1124
011 2554 2554 254	.0638 .0545 .0453 .0361 .0270	0145 0227 0306 0381 0453	- 0848 - 0897 - 0941 - 0981 - 1016	- 1250 - 1249 - 1244 - 1233 - 1218	- 1075 - 1023 - 0968 - 0911 - 0852
255 257 2557 2559	.0181 .0093 .0006 0077 0159	- 0522 - 0586 - 0647 - 0703 - 0756	- 1045 - 1070 - 1090 - 1105 - 1116	- 1198 - 1174 - 1146 - 1115 - 1079	- 0791 - 0728 - 0664 - 0599 - 0534
2.50 2.51 2.52 2.53 2.54	- 0238 - 0313 - 0386 - 0455 - 0521	- 0804 - 0847 - 0886 - 0921 - 0951	- 1121 - 1122 - 1119 - 1111 - 1099	- 1041 - 0999 - 0954 - 0907 - 0857	- 0467 - 0401 - 0335 - 0870 - 0805
265 266 267 268 269	0583 0641 0694 0790	- 0976 - 0997 - 1013 - 1085 - 1033	- 1084 - 1064 - 1040 - 1013 - 0983	- 0805 - 0752 - 0697 - 0640 - 0583	0140 0077 0016 .0044 0103
2.70 2.71 2.72 2.73 2.74	- 0831 - 0868 - 0900 - 0928 - 0951	- 1036 - 1035 - 1030 - 1021 - 1008	- 0949 - 0913 - 0874 - 0832 - 0788	~ 0524 ~ 0465 ~ 0406 ~ 0347 ~ 0287	0159 0814 0866 0315 0368
2.75 2.76 2.77 2.78 2.79	- 0970 - 0985 - 0996 - 1002 - 1005	- 0992 - 0972 - 0949 - 0983	- 0743 - 0695 - 0646 - 0596 - 0545	- 0829 - 0170 - 0113 - 0057 - 0002	.0407 .0449 .0488 .0524 .0557
2.80 2.81 2.82 2.83 2.84	- 1003 - 0997 - 0988 - 0975 - 0958	- 0861 - 0826 - 0789 - 0750 - 0709	0493 0440 0387 0334 0280	0052 0104 0154 0202 0249	0587 0613 0637 0658 0675
2.25 2.26 2.27 2.28 2.29 2.29	- 0938 - 0915 - 0889 - 0886 - 0828	0666 0622 0576 0529 0481	- 0827 - 0175 - 0123 - 0072 - 0082	0293 0335 0374 0411 0446	0689 0701 0709 0714 0716
2.90 2.91 2.92 2.93 2.93 8.94	- 0794 - 0758 - 0719 - 0679 - 0637	0433 0384 0335 0286 0237	0026 0074 0120 0164 0206	0477 0506 0532 0556 0577	0715 0712 0706 0697 0685
295 296 297 298 299	- 0593 - 0549 - 0503 - 0456 - 0409	- 0188 - 0140 - 0092 - 0046 0000	.0 2 4 7 .0 28 5 .0 3 2 2 .0 3 5 6 .0 3 8 8	0594 0609 0622 0631 0638	0672 0655 0637 0617 0595
00.8	- 0362	£045	£417	£642	£570

 $W_{7}(x,r)$ 

3.0				W <sub>7</sub> (x,r)		
235	X	3.0	4.0	6.0	8.0	10.0
2311	2.26 2.27 2.28	- 1460 - 1466 - 1466	- 1401 - 1378 - 1350	- 1097 - 1052	0945 0899 0850	- 0811 - 0764 - 0716
2356	231	- 1432	- 1239	- 0899	- 0693	0563
	232	- 1410	- 1195	- 0843	- 0637	0510
	233	- 1383	- 1146	- 0785	- 0581	0457
241	236	- 1275	- 0983	- 0604	- 0407	- 0894
	237	- 1230	- 0923	- 0542	- 0349	- 0840
	238	- 1182	- 0862	- 0479	- 0291	- 0187
246	2.41 2.42 2.43 2.44	- 1019 - 0959 - 0896	- 0667 - 0600 - 0532	0289 0227 0165	- 0119 - 0063 - 0009	0031 .0019 .0068
251	2.46	- 0699	- 0328	.0014	.0145	.0204
	2.47	- 0631	- 0260	.0070	.0193	.0245
	2.48	- 0562	- 0193	.0125	.0239	.0285
255	251	- 0354	0000	.0278	.0364	.0390
	252	- 0286	0062	.0325	.0400	.0421
	253	- 0217	0000	.0369	.0435	.0449
261	2.56	- 2019	0288	.0485	.0522	Ω518
	2.57	2044	0339	.0518	.0545	Ω536
	2.58	2106	0387	.0548	.0566	Ω551
2.66	2.61	Ω277	.0514	.0621	.0612	9582
	2.62	Ω329	.0550	.0639	.0622	9588
	2.63	Ω379	.0583	.0654	.0629	9590
271	2.66	0511	2664	2683	.0634	.0585
	2.67	0549	2684	2686	.0631	.0578
	2.68	0584	2702	2687	.0626	.0570
276	2.71 2.72 2.73	Д669 Д690 Д708	.0734 .0738	.0673 .0664 .0652	2595 2581 2564	Ω533 Ω516 Ω499
281	2.76	0744	0726	.0602	Ω505	D437
	2.77	0749	0717	.0582	Ω483	D414
	2.78	0752	0704	.0560	Ω459	D390
286     0670     0528     0337     0235     0176       288     0626     0498     0305     0175     0120       289     0600     0435     0240     0145     0993       290     0574     0403     0208     0115     066       291     0545     0369     0175     0086     0039       292     0515     0335     0143     0087     0013       293     0484     0300     0111     0029     0013       294     0452     0265     0079     0001     0038       295     0419     0230     0048     0026     0033     0085       296     0385     0195     0018     0053     0085       297     0350     0160     0012     0078     0085       298     0315     0126     0041     0012     00128     0128       299     0380     0092     0069     00126     0148	2.51	0741	.0653	.0485	Д380	D313
	2.52	0732	.0632	.0457	Д352	D287
	2.53	0720	.0608	.0428	Д324	D259
291	2.86	2670	0528	0337	0235	0176
	2.87	2649	0498	0305	0205	0148
	2.88	2626	0467	0275	0175	0120
2.96	291	0545	.0369	0175	Д086	0039
	292	0515	.0335	0143	Д057	0013
	293	0484	.0300	0111	Д029	- 0013
3.00 0.244 0.058 - 0.096 - 0.148 - 0.167	296	0385	.0195	.0018	- D053	- 0085
	297	0350	.0160	0012	- D078	- 0107
	298	0315	.0126	0041	- D102	- 0128
	3.00	D244	2058	- D096	- £148	- 0167

W<sub>7</sub>(x,r)

			W <sub>7</sub> (x,r)		
X	l l	1.1	1.25	1.5	2.0
5,00 5,00 5,00 5,00 5,00 5,00 4	- 0362 - 0314 - 0266 - 0219 - 0172	Q 0 4 5 Q 0 8 8 Q 1 2 9 Q 1 6 9 Q 2 0 8	0417 04469 0469 0491	0642 0642 0642 0638	0570 0545 0518 0489 0459
3.05 3.06 3.07 3.08 3.09	- 0125 - 0079 - 0034 - 0010 - 0053	.0244 .0279 .0312 .0342 .0371	0528 0542 05554 0564 0571	0623 0610 0585 0568	.0429 .0397 .0364 .0331 .0298
310 311 312 313 314	0094 0135 0173 0210 0245	.0397 .0421 .0443 .0462 .0479	.0575 .0577 .0577 .0575 .0570	.0549 .0529 .0507 .0483 .0489	.0264 .0230 .0196 .0162 .0189
315 316 317 318 319	0278 0309 0339 0356 0391	.0494 .0506 .0516 .0524 .0529	.0563 .0555 .0544 .0531	0433 0406 0378 0349 0320	0095 0062 0030 - 0001 - 0032
5922 5922 5933 5934	0413 0434 0452 0468 0488	.0533 .0534 .0532 .0532 .0524	0501 0483 0464 0443 0421	.0290 .0260 .0830 .0199 .0169	0068 0091 0118 0145 0170
325 326 327 328 329	.0494 .0503 .0510 .0515 .0517	.0517 .0508 .0497 .0485 .0471	.0399 .0375 .0350 .0385 .0899	0138 0108 0078 0049 0030	0194 0216 0237 0257 0275
330 331 332 333 334	0518 0516 0513 0507 0500	.0455 .0438 .0420 .0400 .0380	.0272 .0245 .0818 .0190 .0163	0008 0035 0062 0088 0112	0291 0306 0320 0331 0341
3.35 3.36 3.37 3.38 3.39	0491 0480 0467 0453 0438	0358 0336 0313 0289 0265	0136 C1081 Q0855 Q089	- 0136 - 0158 - 0179 - 0199 - 0218	- 0350 - 0357 - 0362 - 0366 - 0368
3.40 3.41 3.42 3.43 3.44	0421 0403 0384 0364 0343	.0240 .0215 .0190 .0164 .0139	.0003 0048 0046 0069	- 0235 - 0251 - 0265 - 0278 - 0290	0369 0368 0365 0362 0356
3.45 3.46 3.47 3.48 3.49	0321 0298 0275 0251 0227	0114 0089 0064 2040	0113 0134 0153 0171 0189	- 0300 - 0308 - 0316 - 0322 - 0386	0350 0343 0334 0384 0314
3.50 3.51 3.52 3.53 3.54	0203 0178 0154 0129 0105	0007 0030 0052 0073 0094	0205 0219 0233 0245 0256	- 0329 - 0331 - 0331 - 0330 - 0327	- 0308 - 0289 - 0876 - 0861 - 0247
3.55 3.56 3.57 3.58 3.59	.0081 .0057 .0033 .0010 0012	- 0113 - 0132 - 0149 - 0166 - 0181	- 0266 - 0274 - 0281 - 0287 - 0281 - 0291	0324 0319 0313 0306 0298	0231 0215 0199 0182 0165
3.60 3.61 3.62 3.63 3.64	0034 0055 0076 0095 0114	- 0195 - 0208 - 0220 - 0231 - 0241	- 0295 - 0297 - 0297 - 0297 - 0295	0289 0279 0268 0257 0245	0147 0130 0113 0095 0078
365 366 367 368 369	- 0132 - 0149 - 0164 - 0179 - 0193	- D249 - D256 - D267 - D271	0293 0269 0264 0278 0271	0832 0218 0804 0190 0175	- 0060 - 0043 - 0027 - 0010 0006
3.70 3.71 3.72 3.73 3.74	- 0205 - 0216 - 0227 - 0236 - 0244	0273 0274 0275 0274 0272	0263	- 0160 - 0144 - 0129 - 0113 - 0097	0022 0037 0051 0065 0079
3.75	0250	- 0269	- 0213	- 2082 -	8600
L	<u> </u>	<u> </u>	<u> </u>	I	

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- F	7.0	1 40	W <sub>7</sub> (x,r)		· · · · · ·
X	3.0	4.0	6.0	8.0	10.0
3.00 3.01 3.02 3.03 3.04	.0244 .0208 .0173 .0138 .0103	Д058 Д065 - Д007 - Д039 - Д069	- 0096 - 0182 - 0147 - 0170 - 0193	- 0148 - 0169 - 0208 - 0225	- 0167 - 0185 - 0202 - 0217 - 0231
305	0068	- 0099	- 0214	- 0241	- 0244
306	0034	- 0127	- 0233	- 0256	- 0256
307	0001	- 0154	- 0251	- 0269	- 0266
308	- 0031	- 0179	- 0268	- 0281	- 0275
309	- 0062	- 0204	- 0283	- 0891	- 0283
310 311 312 313 314	- 0093 - 0122 - 0149 - 0149 - 0201	- 0227 - 0248 - 0268 - 0286 - 0303	- 0297 - 0309 - 0329 - 0336	- 0300 - 0307 - 0314 - 0318 - 0322	- 0289 - 0294 - 0298 - 0300 - 0301
315 316 317 318 319	- D225 - D247 - D268 - D287 - D304	- 0318 - 0331 - 0343 - 0353 - 0361	- 0342 - 0346 - 0349 - 0351	- 0324 - 0324 - 0324 - 0322 - 0318	- 0301 - 0300 - 0298 - 0294 - 0290
320	- 0320	- 0368	- 0350	- 0314	0284
321	- 0334	- 0373	- 0347	- 0309	0277
322	- 0346	- 0377	- 0343	- 0302	0270
323	- 0357	- 0379	- 0338	- 0295	0261
323	- 0366	- 0379	- 0331	- 0286	0252
325	- 0373	- 0378	- 0324	- 0277	0242
326	- 0379	- 0375	- 0315	- 0266	0231
327	- 0383	- 0371	- 0305	- 0255	0230
328	- 0385	- 0366	- 0295	- 0243	0208
329	- 0386	- 0359	- 0283	- 0231	0196
330 331 332 333 334	0385 0383 0379 0374 0368	- 0351 - 0342 - 0320 - 0308	- 0271 - 0258 - 0244 - 0230 - 0215	- 0218 - 0204 - 0190 - 0176 - 0161	- 0183 - 0170 - 0156 - 0142 - 0128
3.35	- 0360	- 0295	0199	0146	0114
3.36	- 0351	- 0281	0183	0131	0100
3.37	- 0341	- 0266	0167	0115	0085
3.38	- 0330	- 0251	0151	0100	0071
3.39	- 0317	- 0235	0134	0085	0057
340 341 342 343 344	- 0304 - 0290 - 0275 - 0259 - 0243	- 0218 - 0201 - 0184 - 0166 - 0148	- 0118 - 0101 - 0084 - 0068 - 0051	- 1069 - 1054 - 1039 - 1024 - 1010	0043 0029 0015 0002
3.45	- 0227	- 0130	- 0035	D004	.0024
3.46	- 0209	- 0112	- 0019	D018	.0036
3.47	- 0192	- 0094	- 0004	D032	.0047
3.48	- 0174	- 0076	- 0011	D044	.0059
3.49	- 0156	- 0059	- 0026	D057	.0069
350 351 352 353 354	0138 0119 0101 0083 0065	- 0041 - 0024 - 0007 - 0009 - 0025	0040 0054 0067 0080 0092	0069 0080 0090 0100	0080 0089 0098 0106 0114
355	- 0047	0041	0103	0118	0181
356	- 0029	0056	0113	0186	0188
357	- 0012	0070	0123	0134	0133
358	0005	0084	0138	0140	0138
359	0022	0097	0141	0146	0143
3.60	0037	0109	0148	0151	0146
3.61	0053	0120	0155	0156	0149
3.62	0068	0131	0161	0159	0152
3.63	0082	0141	0166	0162	0153
3.64	0095	0150	0170	0164	0155
3.65	0108	0158	0174	D166	0155
3.66	0120	0166	0177	D167	0155
3.67	0131	0175	0179	D167	0154
3.68	0141	0178	0180	D166	0152
3.69	0151	0183	0181	D165	0150
3.70	0159	0187	0180	1163	0148
3.71	0167	0190	0179	1161	0145
3.72	0174	0193	0178	1158	0141
3.73	0180	0194	0176	1154	0137
3.74	0185	0195	0173	1150	0133
3.75	.0190	£195	£169	.0145	D128

 $W_{7}(x,r)$ 

	W <sub>7</sub> (x,r)				
X	1	1.1	1.25	1.5	2.0
3.75 3.76 3.77 3.78 3.79	- 0250 - 0256 - 0260 - 0263 - 0266	- 0269 - 0265 - 0260 - 0254 - 0247	0213 0201 0189 0176 0163	- 0088 - 0061 - 0035 - 0030	0092 0104 0115 0126 0135
3.80 3.81 3.83 3.84	- 0267 - 0266 - 0265 - 0263 - 0260	0240 0232 0233 0213	0149 0136 0138 0108 0093	- 0006 .0009 .0023 .0036 .0049	0144 0153 0160 0167 0172
3,85 3,86 3,87 3,88 3,89	- 0256 - 0251 - 0245 - 0235 - 0251	- 0198 - 0181 - 0169 - 0157 - 0145	- 0079 - 0065 - 0051 - 0037 - 0024	0062 0074 0085 0096 0106	.0177 .0185 .0187 .0189
3992 3993 3994	- 0283 - 0214 - 0204 - 0194 - 0184	- 0138 - 0119 - 0106 - 0093 - 0080	- 0010 0003 0015 0038	0115 0124 0138 0139 0145	0190 0199 0189 0188 0185
395 396 397 398 399	0173 0161 0150 0138 0185	- 0067 - 0054 - 0042 - 0029 - 0016	.0051 .0062 .0072 .0082	0151 0156 0160 0164 0166	.0183 .0179 .0175 .0170 .0165
4.00 4.01 4.02 4.03 4.04	- 0113 - 0100 - 0088 - 0075 - 0062	- 0004 0008 0019 0030	.0100 .0108 .0115 .0122 .0128	£168 .0170 £170 £170 .0170	.0160 .0153 .0147 .0140 .0132
425 426 427 428 429	- 0050 - 0038 - 0085 - 0013 - 0001	.0052 .0061 .0071 .0080	0134 0138 0142 0146 0149	0168 0166 0163 0160 0156	.0124 .0116 .0108 .0099 .0091
410 411 412 413 414	0010 0021 0032 0042 0052	.0096 .0103 .0109 .0115	D151	.0152 .0147 .0142 .0136 .0130	.0082 .0073 .0064 .0055
415 416 417 418 419	0068 0071 0079 0087 0095	.0125 .0130 .0133 .0136 .0138	D158 D150 D148 D145 D145	£184 £117 £110 £103 £095	.0037 .0028 .0019 .0011
420 481 438 423 424	0101 0108 0113 0118 0123	0140 0141 0141 0141 0141	D138 D134 D130 D125 D119	Q 0 8 8 Q 0 8 0 Q 0 7 2 Q 0 6 4 Q 0 5 6	0006 0014 0021 0029 0036
4.25 4.26 4.27 4.28 4.29	0127 0130 0133 0135 0136	.0140 .0138 .0136 .0133 .0130	0114 0108 0108 0108 0095 0088	.0047 .0039 .0031 .0083 .0016	0043 0049 0055 0061 0066
430 431 432 433 434	0137 0137 0137 0137 0136 0135	0126 0182 0118 0113 0108	0088 0075 0067 0060 0053	.0008 .0000 0007 0014 0021	0071 0076 0080 0084 0087
435 436 437 438 439	Q133 Q131 Q128 Q125 Q122	0103 .0097 .0091 .0085 .0079	0046 0038 0031 0024 0017	0028 0034 0040 0046 0051	- 0090 - 0092 - 0094 - 0096 - 0097
4.40 4.41 4.42 4.43 4.44	0118 0113 0109 0104 0098	0072 0066 0089 0053 0046	0010 0003 - 0003 - 0010 - 0016	- 0056 - 0061 - 0065 - 0069 - 0073	- 0097 - 0098 - 0098 - 0097 - 0096
4.45 4.46 4.47 4.48 4.49	0093 0087 0081 0075 0069	.0019 .0036 .0019 .0013	0022 0028 0034 0039 0044	- 0076 - 0079 - 0081 - 0083 - 0085	- 0095 - 0094 - 0092 - 0090 - 0087
4.50	۵063	0006	0049	0086	0084
			·		

			W <sub>7</sub> (x,r)		
X	, 3.0	4.0	6.0	8.0	10.0
375 376 377 378 379	0190 0193 0196 0198 0199	0195 0194 0192 0190 0187	0169 0165 0155 0155	0145 0146 0135 0129 0123	28 23 7 1 0105
380 381 382 383 384	0199 0198 0197 0194 0192	0183 0179 0174 0169 0163	.0144 .0137 .0130 .0123 .0115	0116 0110 0103 0095 0088	0098 0092 0085 0078
3.85 3.86 3.87 3.88 3.89	D188 D184 D179 D174 D168	D156 D149 D148 D134 D126	.0108 .0100 .0091 .0083 .0075	9080 9072 9064 9057 9049	0063 0056 0049 0041 0034
390 391 392 393 394	0161 0154 0147 0139 0131	.0118 .0109 .0100 .0091 .0082	.0066 .0058 .0049 .0040 .0032	0041 0033 0035 0017 0010	0027 0019 0012 0005 - 0001
395 396 397 398 399	0122 0114 0105 0096 0086	0073 0064 0055 0045 0036	.0024 .0015 .0007 0001	0002 - 0005 - 0012 - 0019 - 0025	0008 0014 0021 0027 0032
4.00 4.01 4.02 4.03 4.04	.0077 .0068 .0058 .0049 .0039	0027 0018 0009 0001 - 0008	- 0016 - 0023 - 0037 - 0043	- 0031 - 0037 - 0043 - 0048 - 0053	- 0038 - 0043 - 0048 - 0052 - 0056
4,05 4,06 4,07 4,08 4,09	0030 0021 0012 0003 - 0006	- D016 - D024 - D031 - D039 - D045	- 0049 - 0055 - 0065 - 0065 - 0070	- 0058 - 0063 - 0066 - 0070 - 0073	- 5060 - 5064 - 5067 - 5070 - 5072
410 411 412 413 414	- 0014 - 0022 - 0030 - 0037 - 0044	0052 0058 0064 0069 0074	0074 0078 0081 0084 0086	- 0076 - 0079 - 0081 - 0083 - 0084	0074 0076 0077 0079 0079
415 416 417 418 419	- 0051 - 0058 - 0064 - 0069 - 0074	0079 0083 0087 0090 0093	- 0088 - 0090 - 0091 - 0092 - 0093	- 0085 - 0086 - 0086 - 0085	0080 0080 0080 0079 0078
420 421 422 423 424	0079 0083 0087 0091 0094	- 2095 - 2097 - 2099 - 2100	- 0093 - 0093 - 0092 - 0091 - 0090	- 2085 - 2084 - 2082 - 2081 - 2079	0077 0076 0074 0072 0070
425 426 427 428 429	- £096 - £098 - £100 - £101 - £102	- 0100 - 0100 - 0100 - 0099 - 0097	0088 0087 0084 0082 0079	0077 0074 0071 0069 0066	0068 0065 0062 0059 0056
430 431 432 433 434	- 0102 - 0102 - 0102 - 0101 - 0100	- 2096 - 2094 - 2091 - 2089 - 2086	- 0076 - 0073 - 0069 - 0066 - 0062	- 0062 - 0059 - 0055 - 0052 - 0048	0053 0050 0045 0043 0039
435 436 437 438 439	- 0098 - 0096 - 0094 - 0091 - 0088	0083 0079 0076 0072 0068	0058 0054 0050 0046 0041	0044 0040 0036 0032 0028	- 0035 - 0031 - 0028 - 0024 - 0020
4.40 4.41 4.42 4.43 4.44	- 0085 - 0082 - 0078 - 0074 - 0070	0064 0059 0055 0050 0046	0037 0033 0028 0024 0019	- 0024 - 0020 - 0016 - 0012 - 0008	0016 0013 0009 0005
4.45 4.46 4.47 4.48 4.49	- 0066 - 0062 - 0057 - 0053 - 0048	0041 0036 0031 0027 0022	- 0015 - 0011 - 0006 - 0002	- £004 £000 £004 £007 £011	0002 0005 0008 0012 0015
4.50	- 0043	- 2017	.0006	.0014	.0018

W- (x, r)

			W <sub>7</sub> (x, r)		
X	1	1.1	1.25	1.5	2.0
4.50 4.51 4.52 4.53 4.54	.0063 .0056 .0050 .0043	.0006 .0006 0012 0018	0049 0053 0057 0061 0064	- 0086 - 0087 - 0088 - 0088 - 0088	0084 0081 0078 0074 0071
4.55 4.56 4.57 4.58 4.59	0030 0024 0017 0011 0005	0023 0028 0033 0038	0067 0070 0072 0074 0076	- 0087 - 0086 - 0085 - 0084 - 0082	0067 0063 0059 0054
4.60 4.61 4.62 4.63 4.64	- 0001 - 0007 - 0013 - 0018 - 0024	- 0047 - 0051 - 0054 - 0057 - 0060	0077 0078 0079 0079	- 0080 - 0078 - 0075 - 0072 - 0069	- 0045 - 0041 - 0036 - 0031 - 0027
4.65 4.66 4.67 4.68 4.69	0029 0033 0038 0046	0063 0068 0067 0069 0070	0079 0078 0077 0076 0074	- 2066 - 2063 - 2055 - 2055 - 2058	0022 0018 0013 0009 0004
4.70 4.71 4.72 4.73 4.74	- 0050 - 0055 - 0056 - 0059	0072 0073 0073 0073	- 0073 - 0071 - 0068 - 0066 - 0063	0048 0044 0040 0036 0031	0000 0004 0008 0018 0016
4.75 4.76 4.77 4.78 4.79	0064 0066 0067 0069	0072 0072 0071 0069 0068	0061 0058 0055 0051 0048	- 0027 - 0023 - 0019 - 0015 - 0011	0080 0086 0030 0030
4.80 4.81 4.82 4.83 4.84	- 0070 - 0071 - 0071 - 0071 - 0070	- 0066 - 0064 - 0062 - 0060 - 0057	0044 0041 0037 0034 0030	- 0007 - 0003 .0001 .0005 .0008	.0035 .0038 .0040 .0042 .0044
4.85 4.86 4.87 4.88 4.89	0069 0068 0066 0066	- 0055 - 0052 - 0049 - 0046 - 0043	- 0086 - 0088 - 0019 - 0015 - 0011	0012 0015 0018 0022 0024	0045 0047 0048 0049 0049
4.90 4.91 4.92 4.93 4.94	0063 0060 0058 0055	0040 0036 0033 0029 0026	- 0008 - 0004 - 0001 - 0003	0027 0030 0032 0034 0036	.0050 .0050 .0050 .0050
4.95 4.96 4.97 4.98 4.99	0050 0047 0044 0041 0038	- 0083 - 0019 - 0016 - 0018 - 0009	0009 0012 0015 0018 0021	0038 0040 0041 0042 0043	0049 0049 0048 0047 0046
5.00	- 2034	- 2005	.0023	.0044	.0044

$W_7(x, r)$
6.
.0006

			W <sub>7</sub> (x,r)		
X	3.0	4.0	6.0	8.0	10.0
4.50 4.51 4.52 4.53 4.54	- 0043 - 0038 - 0033 - 0028 - 0024	- 0017 - 0012 - 0008 - 0003	0006 .0010 .0013 .0017 .0020	0014 0017 0020 0023 0026	0018, 0020, 0023 0025
4.55 4.56 4.57 4.58 4.59	~ 0019 ~ 0014 ~ 0009 ~ 0005 0000	.0005 .0009 .0013 .0017 .0021	0023 0026 0029 0032 0034	0028 0031 0033 0035 0035	0030 0032 0033 0035 0036
4.60 4.61 4.62 4.63 4.64	0004 0009 0013 0017 0020	0035 0038 0031 0034 0037	0037 0039 0041 0042 0044	0038 0040 0041 0042 0043	.0038 .0039 .0039 .0040 .0041
4.65 4.66 4.57 4.68 4.69	0024 0027 0031 0034 0037	2039 2041 2043 2045 2047	.0045 .0046 .0047 .0047 .0048	.0 0 4 3 .0 0 4 4 .0 0 4 4 .0 0 4 4	0041 0041 0041 0041 0041
4.70 4.71 4.72 4.73 4.74	0039 0042 0044 0046 0047	0048 0049 0050 0051 0051	D048 D048 D048 D047 D047	0044 0043 0043 0043 0042 0041	0040 0040 0039 0038 0037
4.75 4.76 4.77 4.78 4.79	0049 0050 0051 0052 0052	0052 0052 0052 0051 0051	0046 0045 0044 0043 0048	0040 0039 0038 0036 0035	0036 0034 0033 0033 0032
4.80 4.81 4.82 4.83 4.84	0053 0053 0053 0052 0052	0050 0049 0048 0047 0045	0040 0039 0037 0035 0033	.0033 .0038 .0038 .0036	0028 0027 0024 0023 0021
4.85 4.26 4.87 4.88 4.89	0051 0050 0049 0048 0047	0044 0042 0040 0038 0036	0031 0029 0027 0025 0023	0024 0022 0020 0018 0016	D019 D017 D016 D014 D012
4,90 4,91 4,92 4,93 4,94	0045 0043 0042 0040 0038	.0034 .0032 .0030 .0027 .0025	0021 0018 0016 0014 0012	0014 0012 0009 0007 0005	0010 0008 0006 0004 0002
4.95 4.96 4.97 4.98 4.99	0036 0033 0031 0029 0026	0023 0020 0018 0015 0013	0009 0007 0005 0003 0001	0003 0001 - 0001 - 0003 - 0004	0000 - 0002 - 0005 - 0006
5.00	\$20Q	.0010	- 0008	- 2006	8000
				,	

W<sub>8</sub>(x, r)

X	ı	1.1	1.25	1.5	2.0
01224	50000000	3.23960584	614918693	9.08 35 24 46	11.63306771
	81863451	3.45232548	615947045	8.75 80 41 64	10.81623854
	111792207	3.64742237	614801868	8.41918 620	10.03780376
	141393841	3.82432384	611530088	8.06838700	925723393
	169963000	3.98255748	606187499	7.70709592	8.50752834
.05 .06 .07 .08	197381918 283540845 848338507 271682399 893489110	418175173 424163563 434203808 442288655 448480543	5,98638323 5,89554786 5,78416308 5,65509569 5,50927343	7.33678103 6.95891980 6.57499336 6.18647486 5.79483297	7,77921115 7,07332794 6,39084264 5,73263477 5,09949713
10	313684553	4.52611378	534768219	5.4 0151557	4.49213387
11	332204154	4.54682250	547135941	5.0 0794858	39111589
12	348992984	4.55263177	498138800	4.61552905	335709513
13	364005829	4.53792703	477889007	4.22561951	283037297
14	377207220	4.50517548	456502068	3.83954252	233133082
15	3.88571400	4.45492179	434096154	3.45657561	1.86 021476
16	3.98082250	4.38778370	410791467	3.08394646	1.41717906
17	4.05733154	4.30444724	386709616	2.71682844	1.00328715
18	4.11526831	4.20566175	361972995	2.35833646	.61551378
19	4.15475111	4.09223465	336704175	2.00952327	.25674166
20	417598674	396502612	3.110.85303	1.67137604	07422652
21	417926748	382494352	2.85057521	134481334	- 37767588
22	416496767	367293576	2.58920405	1.03068257	65397161
23	413353996	350998758	2.32731418	.72975768	90355707
24	408551124	333711377	2.06605392	.44273739	-112695059
25	4.02147827	315535340	1.80654033	17024374	-132474192
26	3.94210307	296576400	1.54985452	08717892	-149758858
27	3.84810804	276941585	1.89703729	32906464	-164621158
28	3.74027090	256738629	1.04908501	55502603	-177139185
29	3.61941949	236075420	.80694585	76475417	-187396529
30	348642639	215059449	57151641	- 95801815	-195481853
31	334220344	193797285	34363852	-113466416	-8.01488427
32	318769626	1,72394064	12409660	-129461430	-8.05513652
33	302387858	1,50952994	- 08638481	-143786504	-2.07658576
34	285174675	129574886	- 28714308	-156448535	-2.08027405
35	267231406	1.08357711	- 47757912	-1.67461457	-206727010
36	248660530	87396172	- 65715876	-1.76845991	-203866434
37	229565125	66781319	- 82541365	-1.84629377	-199556399
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1.99	2818	2305	0992	- 0797	- 2177
8.00	2900	2181	0813	- 0949	- 2209
2.01	2767	2049	0634	- 1092	- 2229
2.02	2720	1909	0456	- 1226	- 2237
2.03	2661	1763	0281	- 1349	- 2233
2.04	2589	1612	0110	- 1462	- 2217
3.05 2.06 2.07 3.08 2.09	2506 2411 2307 2193 2071	1456 1297 1136 0973	0058 0221 0378 0530 0674	- 1565 - 1656 - 1736 - 1805 - 1863	- 2190 - 2153 - 2105 - 2048 - 1981
210	1941	0645	- 0811	- 1910	- 1906
211	1804	0482	- 0940	- 1945	- 1823
212	1662	0582	- 1060	- 1969	- 1732
213	1515	0163	- 1178	- 1982	- 1635
214	1364	0009	- 1375	- 1985	- 1832
215	1209	0142	- 1368	- 1977	- 1424
216	1053	0288	- 1451	- 1959	- 1311
217	0895	0428	- 1525	- 1931	- 1195
218	0737	0563	- 1589	- 1893	- 1075
219	0579	0691	- 1642	- 1847	- 0953
220	0422	- 0811	- 1686	- 1793	0829
221	.0268	- 2925	- 1720	- 1730	0704
222	.0116	- 1030	- 1743	- 1660	0579
223	0032	- 1127	- 1757	- 1583	0455
224	0177	- 1216	- 1761	- 1501	0331
2.25	- 0316	- 1295	- 1756	- 1412	- 0809

W<sub>8</sub>(x, r)

X	3.0	40	6.0		
		4.0	6.0	8.0	10.0
1.51 .4 1.52 .3 1.53 .3	034 952 3 851	469 314 151 975 788	2345 2151 1955 1753 1547	1692 1501 1310 1117 0922	1298 1117 0938 0757 0577
1.56 3 1.57 3 1.58 3	446 281 2 103 1	591 385 172 952 728	1337 1126 0914 0702 0492	0728 0534 0342 0153 - 0033	.0399 .0222 .0049 0121 0286
1.61 2 1.62 2 1.63 2	503 286 1 062 0	500 270 039 809 580	0284 0080 - 0119 - 0313 - 0501	- 0213 - 0389 - 0557 - 0719 - 0874	- £445 - £599 - £745 - £884 - £015
1.66 1 1.67 1 1.68 0 1.69 0	365 129 - 0 893 - 0 658 - 0	354 132 085 296 501	- 0681 - 0853 - 1016 - 1169 - 1313	- 1019 - 1156 - 1282 - 1399 - 1507	- 1138 - 1251 - 1354 - 1448 - 1533
1.72 1.73 1.74 - 0	025 243 454 - 1	698 886 065 234 392	- 1447 - 1570 - 1682 - 1782 - 1870	- 1604 - 1690 - 1765 - 1829 - 1882	- 1607 - 1672 - 1726 - 1770 - 1803
1.76 1.77 1.78 1.79 - 1	851 - 1 036 - 1 811 - 1	538 673 796 907 004	- 1947 - 2011 - 2063 - 2103 - 2132	- 1924 - 1955 - 1975 - 1984 - 1983	- 1827 - 1840 - 1843 - 1837 - 1821
180 - 1 181 - 1 182 - 1 183 - 1 184 - 2	668 - 2 796 - 2 912 - 2	089 161 219 265 297	- 2148 - 2153 - 2147 - 2129 - 2101	- 1971 - 1950 - 1919 - 1879 - 1829	- 1796 - 1763 - 1721 - 1672 - 1614
1.87 - 2: 1.88 - 2:	181   - 2	317 325 320 303 274	- 2063 - 2015 - 1958 - 1892 - 1818	- 1772 - 1707 - 1635 - 1556 - 1471	- 1551 - 1480 - 1404 - 1322 - 1236
192 - 2 193 - 2	363 - 2 361 - 2 347 - 2	235 185 124 055 976	- 1737 - 1648 - 1553 - 1453 - 1348	- 1381 - 1286 - 1186 - 1083 - 0977	- 1145 - 1051 - 0954 - 0854 - 0752
1.96 - 2	234 - 1 176 - 1 107 - 1	890 795 694 587 474	- 1238 - 1125 - 1009 - 0891 - 0771	0869 0759 0648 0537 0425	- 0650 - 0546 - 0442 - 0339 - 0237
203   - 1	849 - 1 748 - 1 640 - 0	357 236 111 984 855	- 0651 - 0530 - 0410 - 0290 - 0172	- 0314 - 0205 - 0097 0008 0111	0136 0037 .0060 .0154 .0245
2.06 - 1: 2.07 - 1: 2.08 - 1:	386 - 0 160 - 0 032 - 0	725 595 465 337 209	- 2057 .0056 .0166 .0271 .0373	9210 9306 9397 9485 9567	0332 0415 0493 0567 0636
212 - 0 213 - 0 214 - 0	637 505 374 245	085 037 156 271 381	D470 D562 D649 D730 D805	D644 D716 D782 D843 D897	0701 0759 0813 0860 0902
217 0:	007 129 246	486 586 680 768 850	0874 0936 0992 1042 1084	0945 0988 1024 1053 1077	.0938 .0969 .0993 .1012 .1025
2.21 DS 2.22 DS	569 566 757	925 994 055 109 156	1120 1149 1172 1188 1197	1094 1105 1110 1109 1103	1033 1034 1031 1022 1008
2.25 .09	919 1:	196	1199	1091	.0989

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W8(x, r)

X	1 1	1.1	1.25	1.5	2.0
	- D316	- 1295	- 1756	- 1412	02.09
225 226 227 228 229	0450 0578 0700 0814	- 1366 - 1428 - 1481 - 1524	- 1742 - 1719 - 1688 - 1649	- 1318 - 1321 - 1119 - 1014	- 0089 - 0088 - 0148
230	0921	- 1558	- 1602	- D907	0358
231	- 1021	- 1584	- 1548	- D798	0459
232	- 1112	- 1600	- 1487	- D687	0555
233	- 1195	- 1607	- 1420	- D576	0646
234	1269	- 1605	- 1347	- D465	0730
235 236 237 238 239	- 1335 - 1391 - 1439 - 1479 - 1509	- 1595 - 1577 - 1551 - 1518 - 1478	- 1270 - 1187 - 1101 - 1012 - 0919	- 0355 - 0246 - 01338 - 0033	0808 0879 0945 1004 1056
2.40 2.42 2.43 2.44	- 1531 - 1545 - 1549 - 1546 - 1535	- 1431 - 1379 - 1320 - 1256 - 1187	0825 0728 0631 0532 0434	D169 D265 D357 D445 D528	1101 1139 1170 1194 1211
2,45	- 1515	- 1114	- 0336	0606	1822
2,46	- 1489	- 1036	- 0238	0678	1225
8,47	- 1455	- 0956	- 0143	0745	1223
2,48	- 1415	- 0873	- 0049	0807	1214
2,49	- 1368	- 0787	.0043	0862	1198
250	- 1315	- 0699	0132	0912	1177
251	- 1257	- 0611	0218	0955	1151
252	- 1194	- 0521	0300	0992	1119
253	- 1126	- 0431	0379	1023	1082
254	- 1054	- 0341	0453	1048	1040
255 256 257 255 259	- 2979 - 2900 - 2919 - 2736 - 2651	- 0252 - 0164 - 0078 - 0007	.0524 .0589 .0650 .0705	1067 1079 1086 1086 1081	0994 0944 0891 0834 0774
260	- 0565	.0169	.0801	1071	.0712
261	- 0478	.0245	.0840	1055	.0648
262	- 0392	.0318	.0874	1034	.0583
263	- 0305	.0388	.0903	1008	.0516
264	- 0819	.0454	.0926	0977	.0448
255 256 257 258 259	- 0135 - 0052 0029 0108 0184	0515 0572 0673 0673	0944 0956 0963 0964 0961	0943 0904 0861 0816 0767	0379 0311 0843 0175 0108
2.70	0257	0754	0953	0715	0043
2.71	.0327	0787	0939	.0661	- 0021
2.72	.0393	0815	0988	.0605	- 0084
2.73	.0455	0838	0899	.0548	- 0144
2.74	.0513	0856	0873	.0489	- 0201
2.75	0567	.0869	0843	0429	- 0256
2.76	.0616	.0877	0809	0368	- 0308
2.77	.0661	.0881	0772	0308	- 0358
2.78	.0701	.0879	0732	0247	- 0404
2.79	.0737	.0873	0689	0186	- 0446
250	0767	.0863	.0644	0127	- 0485
251	0793	.0848	.0597	0068	- 0521
252	9814	.0830	.0547	0010	- 0552
253	0830	.0807	.0496	- 0046	- 0581
254	0841	.0781	.0444	- 0100	- 0605
2.85	.0848	.0751	0391	0152	- 0625
2.86	.0850	.0719	0338	0202	- 0642
2.87	.0847	.0683	.0284	0250	- 0654
2.88	.0840	.0645	.0230	0295	- 0663
2.89	.0829	.0604	.0176	0338	- 0669
290	0814	.0562	.0123	- 0377	- 0670
291	0795	.0517	.0070	- 0413	- 0668
292	0772	.0471	.0019	- 0446	- 0663
293	0746	.0424	0031	- 0476	- 0654
294	0717	.0376	0080	- 0503	- 0642
295	0684	0327	0126	- 0526	- 0627
296	0649	0278	0171	- 0546	- 0609
297	0612	0229	0214	- 0563	- 0589
298	0572	0180	0255	- 0576	- 0566
299	0530	0131	0293	- 0585	- 0540
3.00	.0 4 8 7	.0083	- 0388	- 0592	0512

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W<sub>8</sub>(x, r)

				**8(X, T/		
327	X	3.0	4.0	6.0	8.0	10.0
231	2.26 2.27 2.28	1054 1111	1228 1253 1271	1196 1186 1170	1073 1051 1083	.0966 .0938 .0906
216	231	1237	1283	1090	.0915	.0788
	232	1264	1274	1054	.0871	.0743
	233	1284	1258	1013	.0824	.0695
241 1155	236	1299	1173	.0865	.0665	.0537
	237	1290	1135	.0809	.0608	.0482
	238	1276	1091	.0751	.0549	.0426
846	2.41	1195	0935	£0564	.0366	.0254
	2.42	1157	0876	£0498	.0305	.0196
	2.43	1114	0814	£0432	.0243	.0140
255	2.46	0959	0614	.0232	.0062	- 0025
	2.47	0900	0544	.0166	.0003	- 0077
	2.48	0837	0473	.0101	0053	- 0127
25.56	2.51	0636	.0258	0085	0312	0264
	2.52	0565	.0187	0143	0360	0305
	2.53	0493	.0117	0199	0305	0343
26:1	2.56	.0276	0083	0351	- 0424	0441
	2.57	.0204	0146	0396	- 0457	0467
	2.58	.0133	0207	0437	- 0487	0490
266	2.61	- 0072	- 0371	- 0540	- 0557	0541
	2.62	- 0136	- 0419	- 0567	- 0573	0551
	2.63	- 0198	- 0464	- 0590	- 0586	0558
271	2.56	- 0366	- 0575	- 0638	0605	0561
	2.57	- 0415	- 0605	- 0647	0604	0557
	2.58	- 0461	- 0631	- 0652	0601	0549
2.76       - D690       - D694       - D573       - D4748       - D4704         2.77       - D701       - D685       - D550       - D448       - D378         2.79       - D710       - D657       - D499       - D420       - D350         2.80       - D704       - D617       - D439       - D331       - D262         2.81       - D704       - D617       - D439       - D330       - D262         2.82       - D696       - D593       - D407       - D298       - D231         2.83       - D664       - D538       - D374       - D2655       - D200         2.84       - D669       - D538       - D374       - D2655       - D200         2.85       - D669       - D538       - D374       - D2655       - D200         2.85       - D669       - D538       - D374       - D2655       - D200         2.85       - D669       - D538       - D374       - D2655       - D168         2.85       - D669       - D475       - D374       - D269       - D168         2.85       - D651       - D507       - D305       - D198       - D137         2.87       - D630       - D475       - D269<	2.71	0577	0683	- 0646	- 0572	0511
	2.72	0607	0693	- 0637	- 0557	0493
	2.73	0634	0699	- 0625	- 0540	0474
2.81       - D704       - D617       - D439       - D330       - D262         2.82       - D686       - D593       - D407       - D298       - D200         2.83       - D669       - D567       - D374       - D265       - D200         2.85       - D669       - D538       - D374       - D265       - D168         2.85       - D651       - D507       - D305       - D198       - D137         2.86       - D630       - D475       - D269       - D164       - D105         2.87       - D606       - D441       - D233       - D130       - D074         2.89       - D551       - D405       - D196       - D097       - D044         2.89       - D551       - D369       - D160       - D064       - D014         2.90       - D520       - D331       - D124       - D031       D014         2.91       - D487       - D293       - D464       - D031       D044         2.92       - D453       - D254       - D052       D031       D071         2.92       - D453       - D175       D017       D061       D099         2.93       - D417       - D380       - D175       D017 </th <th>2.76</th> <th>- 0690</th> <th>- 0694</th> <th>0573</th> <th>0474</th> <th>0404</th>	2.76	- 0690	- 0694	0573	0474	0404
	2.77	- 0701	- 0685	0550	0448	0378
	2.78	- 0707	- 0672	0526	0420	0350
2.86	2.81	- 0704	- 0617	0439	- 0330	0262
	2.82	- 0696	- 0593	0407	- 0298	0231
	2.83	- 0684	- 0567	0374	- 0265	0200
291	2.86	- 0630	0475	0269	- £164	- £105
	2.87	- 0606	0441	0233	- £130	- £074
	2.88	- 0579	0405	0196	- £097	- £044
296	2.91	- 0487	- 0293	0088	0001	.0044
	2.92	- 0453	- 0254	0052	0031	.0071
	2.93	- 0417	- 0215	001.7	0061	.0097
3.00 - 0.145 0.050 0.194 0.233 0.241	296	- 0304	0098	0081	0144	.0168
	297	- 0264	0060	0112	0168	.0189
	298	- 0225	0022	0141	0192	.0208
	3.00	- 0145	.0050	£194	.0 2 3 3	.0241

 $W_{B}(x, r)$ 

	W <sub>8</sub> (x, r)					
X		1.1	1.25	1,5	2.0	
300 301 308 303 304	.0487 .0442 .0396 .0350	.0083 .0035 0011 0056 0099	0388 0361 0391 0418 0442	- 05995 - 05995 - 05995 - 05985	- 0512 - 0483 - 0452 - 0419 - 0385	
3.05	0255	- 0141	- 0464	- 0576	0349	
3.06	0207	- 0181	- 0482	- 0564	0313	
3.07	0160	- 0219	- 0497	- 0550	0277	
3.08	0113	- 0254	- 0509	- 0532	0839	
3.09	0067	- 0287	- 0518	- 0513	0802	
310	.0022	- 0318	- 0524	- 0491	0164	
311	- 0023	- 0346	- 0527	- 0468	0127	
312	- 0065	- 0372	- 0528	- 0448	0090	
313	- 0107	- 0395	- 0526	- 0415	0054	
314	- 0147	- 0416	- 0521	- 0387	0018	
315 316 317 318 319	- 0184 - 0220 - 0254 - 0286 - 0315	0433 0448 0461 0470 0477	- 0513 - 0503 - 0490 - 0476 - 0459	- Q357 - Q385 - Q868 - Q860	.0017 .0051 .0083 .0115 .0145	
320	- 0341	- 0481	- 0440	- 0196	.0173	
321	- 0366	- 0482	- 0480	- 0163	.0200	
322	- 0387	- 0481	- 0397	- 0130	.0224	
323	- 0406	- 0477	- 0374	- 0097	.0347	
324	- 0423	- 0471	- 0349	- 0064	.0269	
325	- 0436	- 0463	- 0322	0038	.0288	
326	- 0447	- 0452	- 0295	0001	.0305	
327	- 0456	- 0440	- 0267	.0030	.0320	
328	- 0462	- 0425	- 0239	.0059	.0333	
329	- 0465	- 0409	- 0210	.0088	.0344	
330	0465	0391	- 0180	.0115	.0352	
331	0464	0371	- 0181	.0141	.0359	
338	0459	0350	- 0181	.0165	.0364	
333	0453	0387	- 0098	.0188	.0366	
334	0444	0304	- 0063	.0210	.0367	
335	- 0434	- 0279	- 0034	0829	.0365	
336	- 0421	- 0254	- 0006	0847	.0362	
337	- 0406	- 0258	0081	0865	.0357	
338	- 0390	- 0202	0048	0878	.0350	
339	- 0372	- 0175	0073	0878	.0342	
3.40	0352	- 0148	0098	0301	0332	
3.41	0332	- 0121	0121	0309	0320	
3.42	0310	- 0094	0143	0316	0307	
3.43	0287	- 0067	0163	0321	0293	
3.44	0263	- 0041	0183	0324	0278	
3.45 3.46 3.47 3.48 3.49	0238 0213 0188 0162 0136	- 0015 0010 0034 0058	0200 0217 .0231 .0244 .0256 —	.0326 .0325 .0325 .0320 .0315	.0262 .0344 .0326 .0207 .0188	
3.50	- 0110 -	0102	.0265	.0308	0168	
3.51	- 0084	0123	.0275	.0300	0148	
3.52	- 0058	0142	.0280	.0390	0128	
3.53	- 0033	0160	.0285	.0279	0107	
3.54	- 0008	0177	.0285	.0267	0087	
3.55 3.56 3.57 3.58 3.59	0016 0040 0062 0084 0104	.0192 .0206 .0219 .0230	.0289 .0289 .0288 .0285 .0280	.0254 .0340 .0325 .0309 .0193	.0066 .0046 .0026 .0006	
3.60	.0124	.0247	.0275	0176	0031	
3.61	.0142	.0253	.0267	0159	0049	
3.62	.0159	.0258	.0259	0141	0066	
3.63	.0175	.0262	.0250	0123	0082	
3.64	.0189	.0264	.0239	0105	0097	
3.65 3.66 3.67 3.68 3.69	0202 0214 0224 0233 0240	.0264 .0263 .0261 .0258 .0253	.0228 .0216 .0203 .0189 .0174	0086 0050 0032 0015	- 0112 - 0125 - 0138 - 0149 - 0159	
3.70	.0246	0247	0159	- 0002	0168	
3.71	.0250	0240	0144	- 0019	0176	
3.72	.0253	0232	0128	- 0036	0183	
3.73	.0255	0222	0112	- 0051	0189	
3.74	.0255	0222	0096	- 0065	0194	
3.75	.0 2 5 4	.0201	.0080	- 0079	- 2197	

Wg(x, r)

X	3.0	4.0	6.0	8.0	10.0
3.00 3.01 3.02 3.03 3.04	- 0145 - 0106 - 0067 - 0029	.0050 .0084 .0117 .0148 .0178	0194 0218 0241 0261 0280	0233 0251 0267 0281 0294	.0241 .0256 .0268 .0279 .0288
3.05 3.06 3.07 3.08 3.09	£044 £0079 £113 £145 £175	Q206 Q232 Q256 Q278 Q298	.0296 .0311 .0323 .0334 .0342	0305 0313 0320 0325 0328	0295 0301 0304 0306 0307
310 311 312 313 314	0204 0230 0255 0278 0299	0316 0332 0346 0357 0367	0348 0353 0355 0356 0354	0329 0329 0327 0323 0317	.0305 .0308 .0398 .0298 .0285
315 316 317 318 319	.0318 .0334 .0348 .0360 .0370	0374 0379 0382 0382 0381	0351 0346 0340 0332 0332	0311 0502 0292 0281 0269	.0277 .0267 .0256 .0244 .0232
321 322 323 324	.0378 .0383 .0387 .0388 .0387	0378 0373 0366 0357 0347	0311 0298 0284 0270 0254	0256 0242 0227 0211 0194	Q218 .0204 Q188 Q173 Q156
325 326 327 328 329	0384 0379 0372 0364 0354	.0335 .0322 .0307 .0391 .0274	0237 0219 0201 0182 0163	0177 0159 0141 0123 0105	0140 0123 0106 0089 0072
330 331 332 333 334	0342 0329 0314 0298 0281	0256 0238 0218 0198 0177	0144 0124 0104 0084 0064	.0086 .0068 .0050 .0032 .0014	0055 0038 0021 0005 - 0011
335 336 337 338 339	0263 0245 0235 0205 0184	0156 0135 0114 0092 0071	0044 0005 0006 - 0012 - 0030	- 2003 - 2036 - 2052 - 2067	- 0036 - 0041 - 0056 - 0069 - 0082
3.40 3.41 3.43 3.43 3.44	0162 0141 0119 0097 0076	2050 2029 2009 2011 2031	- 0047 - 0064 - 0080 - 0095 - 0109	- 0081 - 0094 - 0107 - 0118 - 0129	0094 0105 0115 0125 0133
3.45 3.46 3.47 3.48 3.49	0054 0053 0012 - 0008 - 0028	- £049 - £067 - £084 - £100 - £115	- 0122 - 0134 - 0145 - 0155 - 0164	- 0139 - 0148 - 0155 - 0162 - 0168	- 0141 - 0148 - 0158 - 0162
3.50 3.51 3.52 3.53 3.54	- 0047 - 0065 - 0082 - 0099 - 0114	- 0129 - 0142 - 0154 - 0165 - 0175	- 0171 - 0178 - 0184 - 0188 - 0191	~ £172 - £176 - £178 - £180 - £180	- 4165 - 4167 - 4168 - 4168 - 4167
355 557 355 355 355 359	- 0129 - 0142 - 0155 - 0166 - 0176	- 0183 - 0191 - 0197 - 0202 - 0205	- 0194 - 0195 - 0195 - 0194 - 0192	- £180 - £179 - £176 - £173 - £169	- 0165 - 0163 - 0160 - 0155 - 0151
3.60 3.61 3.62 3.63 3.64	- 0185 - 0192 - 0198 - 0204 - 0208	- 0306 - 0309 - 0309 - 0306	- 0189 - 0185 - 0181 - 0175 - 0169	- 0165 - 0159 - 0153 - 0146 - 0139	- 0145 - 0139 - 0133 - 0126 - 0118
3.65 3.66 3.67 3.68 3.69	- 0210 - 0212 - 0212 - 0210	- 0204 - 0200 - 0195 - 0189 - 0182	0162 0154 0146 0137 0128	0131 0123 0114 0105 0095	- 0110 - 0102 - 0093 - 0084 - 0075
370 371 372 373 374	- 0207 - 0303 - 0198 - 0193 - 0186	- 0175 - 0167 - 0158 - 0149 - 0139	- 0118 - 0108 - 0098 - 0087 - 0077	- 0086 - 0076 - 0066 - 0056 - 0046	- 2066 - 2056 - 2047 - 2038 - 208
3.75	- 0179	0128	- D066	0035	0019

W<sub>8</sub>(x, r)

		1.1	1.25	1.5	2.0
X	1	1.1			
3.75 3.76 3.77 3.78 3.79	0254 .0251 .0247 .0242 .0236	.0201 .0190 .0177 .0164 .0151	.0080 .0048 .0038	- 0079 - 0093 - 0105 - 0117 - 0127	0197 0199 0201 0200
3.80	.0229	.0137	.0001	- 0137	- 0198
3.81	.0221	.0123	0014	- 0146	- 0195
3.82	.0212	.0108	0028	- 0153	- 0195
3.83	.0202	.0094	0042	- 0160	- 0186
3.84	.0191	.0079	0056	- 0165	- 0181
3.85 3.86 3.87 3.88 3.89	.0180 .0168 .0155 .0142	.0064 .0049 .0035 .0020	0068 0080 0091 0102 0111	0170 0174 0176 0178 0179	- 0174 - 0167 - 0159 - 0151 - 0142
3.90	.0115	0008	0120	- 0178	- 0132
3.91	.0100	0021	0128	- 0177	- 0122
3.92	.0086	0034	0135	- 0175	- 0112
3.93	.0072	0046	0141	- 0172	- 0101
3.94	.0058	0058	0146	- 0168	- 0090
3.95	0044	- 0069	- 0150	- 0163	- 0079
3.96	0030	- 0079	- 0154	- 0158	- 0068
3.97	0016	- 0089	- 0156	- 0158	- 0057
3.98	0002	- 0098	- 0158	- 0145	- 0046
3.99	- 0011	- 0107	- 0159	- 0138	- 0034
4.00 4.01 4.02 4.03 4.04	0024 0036 0048 0059 0070	0114 0121 0127 0132 0136	0158 0157 0156 0153 0150	- 0130 - 0122 - 0113 - 0104 - 0095	0023 0013 0002 .0009
4.05	0079	0139	0146	- 0085	0028
4.06	0089	0142	0141	- 0076	0038
4.07	0097	0144	0136	- 0066	0046
4.08	0105	0145	0130	- 0056	0055
4.09	0112	0145	0184	- 0046	0063
410	- 0118	0144	0117	0036	0070
411	- 0124	0143	0110	0026	0077
418	- 0128	0144	0102	0016	0083
413	- 0132	0138	0094	0007	0088
414	- 0135	0135	0086	.0003	0088
415	0138	0131	0078	0012	.0097
416	0139	0136	0069	0021	.0101
417	0140	0131	0060	0029	.0104
418	0140	0115	0051	0037	.0107
419	0139	0109	0042	0045	.0108
4.20 4.21 4.22 4.23 4.24	- 0137 - 0135 - 0133 - 0129 - 0125	0103 0096 0089 0082 0074	0034 0025 0016 0007	0052 0059 0065 0071 0076	0110 0110 0110 0110 010
425	- 0180	0066	.0009	0081	0107
426	- 0115	0058	.0017	0085	0104
427	- 0110	0050	.0024	0088	0102
428	- 0104	0042	.0032	0091	0098
429	- 0097	0034	.0038	0094	0095
430 431 432 433 434	- 0091 - 0084 - 0077 - 0069 - 0062	0026 0018 0010 0002	0045 0051 0057 0052 0066	0095 0097 0098 0098 0098	0091 0087 0082 0077 0072
435	- 0054	0013	0071	D 0 9 7	D066
436	- 0046	0020	0074	D 0 9 6	D060
437	- 0038	0026	0078	D 0 9 4	D055
438	- 0030	0033	0080	D 0 9 2	D049
439	- 0083	0039	0083	D 0 8 9	D042
4.40	- 2015	0044	0084	0086	0036
4.41	- 2007	0050	0086	0083	0030
4.42	2000	0055	0087	0079	0024
4.43	2007	0059	0087	0075	0018
4.44	2014	0063	0087	0071	0012
4.45	0081	0067	0086	D 066	.0006
4.46	0027	0070	0085	D 061	.0000
4.47	0033	0073	0084	D 056	0006
4.48	0039	0075	0082	D 051	0011
4.49	0044	0077	0080	D 046	0016
4.50	.0049	D078	.0077	£041	0021

Wg (x, r)

1.00				W <sub>8</sub> (x, r)		<del></del>
1.00	X r	3.0	4.0	6.0	8.0	0.01
1	3.76	- 0171	- £118	0055	- 0026	- 0010
	3.77	- 0162	- £107	0044	- 0016	- 0001
	3.78	- 0153	- £095	0033	- 0006	.0008
1366	3.81	- 0121	- £060	- 0002	.0 0 2 1	.0032
	3.82	- 0110	- £049	0008	.0 0 3 0	.0039
	3.83	- 0099	- £037	0018	.0 0 3 8	.0046
191	3.86	0063	- 0003	.0045	Д 0 6 0	.0064
	3.87	0051	0008	.0053	Д 0 6 6	.0069
	3.88	0040	0018	.0061	Д 0 7 2	.0074
196	391 392 393	0005 .0006 .0017	2048 2056 2064	080 086 0990	0088 0088	.0085 .0087 .0089
### ### ### ### ### ### ### ### ### ##	3.96	0047	0086	0101	0099	0092
	3.97	0056	0091	0103	0099	0092
	3.98	0064	0097	0105	0098	0091
### ### ### ### ### ### ### ### ### ##	4.01	.0086	0108	.0107	1096	0087
	4.02	.0092	0111	.0106	1098	0085
	4.03	.0097	0113	.0105	1098	0082
	4.06	0109	0115	0099	.0083	0072
	4.07	0112	0114	0096	.0080	0068
	4.08	0114	0113	0092	.0075	0064
116	411	0116	.0106	.0079	0062	0050
	412	0116	.0103	.0075	0057	0045
	413	0115	.0099	.0069	0051	0040
121	416	108	2086	2053	0035	.0025
	417	105	2081	2047	0030	.0020
	418	102	2075	2041	0024	.0015
126	4,21	.0088	0057	.0023	0008	0000
	4,22	.0083	0051	.0017	.0003	- 0005
	4,23	.0077	0045	.0011	0003	- 0010
131	4.26 4.27 4.28	0059 0053 0047	0026 0019 0013	- 0006 - 0011 - 0016	- 0017 - 0022 - 0026	- 0058 - 0058
#356	431	.0027	- 0005	- 0030	- 0037	- 0038
	432	.0021	- 0011	- 0034	- 0040	- 0041
	433	.0014	- 0017	- 0038	- 0043	- 0043
4.41	436	- 0004	- 0032	- 0047	- 0048	0048
	437	- 0010	- 0036	- 0050	- 0049	0049
	438	- 0016	- 0040	- 0052	- 0050	0050
4A6 - 0051 - 0061 - 0058 - 0052 - 0046	4A1	- 0031	- 0051	- 0057	- 2054	- 0050
4A7 - 0054 - 0063 - 0057 - 0049 - 0043	4A2	- 0036	- 0053	- 0058	- 2054	- 0050
4A8 - 0058 - 0063 - 0055 - 0049 - 0041	4A3	- 0040	- 0056	- 0058	- 2054	- 0049
450 - 0060 - 0063 - 0054 - 0045 - 0039	4.46	0051	~ £061	- 2058	- 1052	0046
	4.47	0054	- £062	- 2057	- 1050	0045
	4.48	0056	- £063	- 2056	- 1049	0043
<u></u>	4.50	- D060	- 2063	- 2054	- £045	0039

W<sub>8</sub>(x, r)

-			W <sub>8</sub> (x, r)		
X	ŀ	i.1	1.25	1.5	2.0
4.50	0049	0078	2077	.0041	- 0021
4.51	0054	0079	2074	.0035	- 0026
4.52	0058	0079	2071	.0030	- 0031
4.53	0058	0079	2067	.0024	- 0035
4.54	0062	0079	2064	.0019	- 0039
4.55 4.56 4.57 4.58 4.59	0068 0071 0073 0074 0076	.0078 .0077 .0075 .0074 .0071	.0060 .0055 .0051 .0046 .0042	.0013 .0008 .0003 0002	- 0042 - 0046 - 0049 - 0051 - 0054
4.50 4.51 4.52 4.53 4.54	0076 0077 0077 0076 0075	.0069 .0066 .0063 .0059	0037 0032 00327 0022 0018	- 0012 - 0017 - 0021 - 0025 - 0029	- 2056 - 2059 - 2060 - 2060
4.65 4.66 4.67 4.68 4.69	0074 0072 0070 0068	.0052 .0048 .0044 .0040 .0035	0013 0008 0003 - 0001 - 0006	- 0033 - 0036 - 0039 - 0042 - 0044	- 0060 - 0060 - 0060 - 0059 - 0058
4.70	.0063	0031	- 0010	- 0047	- 0057
4.71	.0060	0027	- 0014	- 0049	- 0055
4.72	.0056	0022	- 0018	- 0050	- 0054
4.73	.0053	0018	- 0022	- 0051	- 0058
4.74	.0049	0013	- 0025	- 0053	- 0049
475	0045	2009	- 0028	- 2053	- 0047
476	0041	2005	- 0031	- 2053	- 0044
477	0037	2001	- 0034	- 2054	- 0042
478	0033	- 2004	- 0037	- 2053	- 0039
479	0089	- 2008	- 0039	- 2053	- 0036
4.80	0025	0011	0041	- 0052	- 0033
4.81	0020	0015	0043	- 0051	- 0029
4.82	0016	0018	0044	- 0050	- 0026
4.83	0012	0022	0045	- 0049	- 0023
4.84	0008	0025	0046	- 0047	- 0019
4.85	.0003	- 0028	- 0047	- 0045	- 0016
4.86	0001	- 0030	- 0047	- 0043	- 0013
4.87	0005	- 0033	- 0048	- 0041	- 0009
4.88	0008	- 0035	- 0047	- 0038	- 0006
4.89	0012	- 0037	- 0047	- 0036	- 0003
490	- 0015	- 0039	0047	0033	.0000
491	- 0019	- 0040	0046	0030	.0004
492	- 0022	- 0041	0045	0028	.0007
493	- 0025	- 0042	0043	0025	.0009
494	- 0027	- 0043	0042	0082	.0012
4.95	0030	0043	0040	- 0019	0015
4.96	0032	0043	0039	- 0016	0017
4.97	0034	0043	0037	- 0013	0019
4.98	0036	0043	0034	- 0010	0022
4.99	0038	0043	0032	- 0007	0024
5.00	- 2039	- 0042	0030	- 2004	.0025

W<sub>8</sub>(x, r)

η <sub>θ</sub> (χ, τ)						
X	3.0	4.0	6.0	8.0	10.0	
4.50 4.51 4.52 4.53 4.54	- 0060 - 0062 - 0063 - 0063 - 0064	- 0063 - 0063 - 0062 - 0061 - 0060	- 0054 - 0052 - 0050 - 0048 - 0046	0045 0043 0041 0039 0036	- 0039 - 0037 - 0035 - 0032 - 0030	
4.55 4.56 4.57 4.59 4.59	- 9064 - 9064 - 9063 - 9063 - 9061	- 0058 - 0056 - 0054 - 0052 - 0049	0043 0040 0038 0035 0032	- 0033 - 0031 - 0025 - 0022	- 0027 - 0024 - 0022 - 0019 - 0016	
4.60 4.61 4.62 4.63 4.64	0059 0057 0055 0053	- 0047 - 0044 - 0041 - 0038 - 0034	- 0028 - 0025 - 0022 - 0019 - 0015	- 0019 - 0016 - 0013 - 0010 - 0007	- 0013 - 0008 - 0005 - 0002	
4.65 4.66 4.67 4.68 4.69	- 0048 - 0045 - 0042 - 0039 - 0035	- 0031 - 0027 - 0024 - 0020 - 0017	0012 0009 0006 0003	- 0004 - 0001 0002 0005	0001 0003 0006 0008 0010	
4.70 4.71 4.72 4.73 4.74	- 0038 - 0029 - 0025 - 0018	- 0013 - 0010 - 0007 - 0003	0003 0006 0009 0012 0014	0010 0012 0014 0016 0018	0012 0014 0016 0018 0020	
4.75 4.76 4.77 4.78 4.79	0014 0011 0007 0004	0003 0007 0010 0012 0015	0017 0019 0021 0023 0025	0020 0022 0023 0025	0021 0023 0024 0025 0026	
4.80 4.81 4.82 4.83 4.84	0005 0006 0009 0012 0015	.0018 .0020 .0022 .0024 .0026	0026 0028 0029 0030	0027 0028 0029 0029 0029	0026 0027 0027 0027 0028 0028	
425 486 487 488 489	0017 0020 0022 0024 0026	.0033 .0033 .0033	0031 0032 0032 0032 0032	0030 0030 0029 0029	0028 0027 0027 0027 0026	
490 491 492 493 494	.0028 .0030 .0031 .0032 .0033	0033 0034 0034 0034 0034	0032 0031 0031 0030 0030	0028 0027 0027 0026 0025	0025 0024 0023 0022 0022	
495 496 497 498 499	.0034 .0034 .0035 .0035	.0034 .0034 .0033 .0032 .0032	.0028 .0027 .0026 .0025 .0023	0023 0022 0021 0019	0020 0019 0017 0016 0015	
5.00	٥٥٥٥	0031	2800.	D016	Д013	

W<sub>9</sub>(x, r)

X	l	1.1	1.25	1.5	2.0
.00 .01 .02 .03	.50000000 .89683716 128335678 165740428 201694553	3.97637238 4.23104801 4.45954391 4.66104027 4.83490071	7.66971316 7.61988158 7.53869858 7.42724747 7.28676265	1139693144 10.83129174 10.25282811 966420096 906806857	1468827153 1331687367 1205485754 1084366597 968455426
05	3.36007783	4.98067250	711861907	8.46707288	8.57858664
06	8.68503973	5.09808560	692432100	7.86382542	7.52663375
07	2.99021969	5.18705040	670549027	7.26089371	6.52937107
08	3.27416346	5.24765447	646385393	6.66078824	5.58727835
09	3.53558036	5.28015806	620123152	6.06594982	4.70064001
111234	3.77334818	5.28498869	5,91952208	5.47873773	3.86954649
	3.98651693	5.26273466	5,62069085	490141845	3.09389664
	417431129	5.21413768	5,30675589	433615521	2.37340090
	4.33613186	514008471	4,97977465	3.78499829	1.70758558
	4.47155522	5.04159896	4,64183059	3.24987622	1.09579783
15	4.58033273	4.91983026	429501989	2.73258781	.53721158
16	4.66238831	4.77604477	394143846	2.23479512	.03083428
17	4.71781504	4.51161422	358316918	1.75801743	42448591
18	4.74687069	4.42800471	322226952	1.30362607	83005148
19	4.74997237	4.22676509	286075965	87284035	-118730725
94	4.72769015	4.00951519	250061100	.46672435	-149783077
94	4.68073982	3.77793377	214373547	.08618477	-176338247
94	4.50997491	3.533374642	179197519	26803024	-198559528
94	4.51637796	3.27871343	144709303	59533133	-216656387
94	4.40105113	3.01461777	111076381	89528725	-230823357
25	426520627	274325316	78456627	-116762317	- 241268904
26	411015449	246641238	46997587	-141221820	- 248208269
27	393729533	218587592	16835840	-152910200	- 251862305
28	374810562	190340093	- 11903555	-181845059	- 252456304
29	354412810	162071062	- 39107531	-198058141	- 250818827
30 31 33 33 34	3.32695987 3.09824079 2.855964187 2.61285374 2.35957529	133948418 126134716 78786254 52052237 26074008	64675384 88519069 -110563407 -13074619.7 -1.49018853	-211594761 -232513171 -232513176 -230883868 -2367888836 -340320748	-245380542 -238173078 -328827893 -217575181 -804642797
35	2.10150256	.00984354	-1.65343349	-241582123	-190255233
36	1.84031785	- 23093114	-1.79698093	-240684433	-1.74632628
37	1.57767932	- 46044518	-1.92071710	-237747224	-1.57989834
38	1.51521087	- 57766170	-2.02465763	-232897117	-1.40535523
39	1.05449262	- 88164971	-210893799	-226266916	-1.28471361
40	79705185	-1.07158721	-217380921	-217994605	-1.03991239
41	54435455	-1.24676351	-221963311	-20822388	85280559
42	29779755	-1.40658078	-224687683	-197095719	56515598
43	.05870138	-1.55055484	-225610693	-184763331	47862932
44	- 17169627	-1.67831513	-224798295	-171371294	29478925
45	- 39824634	-1.78960400	-222335060	-1.57072076	- 11509304
46	- 60189344	-1.88427528	-218373456	-1.48013.636	05911215
47	- 79968015	-1.96229211	-212733097	-1.26343550	22659211
48	- 98475067	-2.02372421	-205799969	-1.10207154	38622783
49	-115635349	-2.06874439	-197575635	- 93746748	53701695
50 51 53 54	-131384352 -145668339 -158444395 -169680415 -179355014	-209762465 -211073159 -2108521453 -209153453 -206038951	-1.88166426 -1.77682627 -1.66237657 -1.53947254 -1.40928664	- 77100822 - 60403338 - 43783063 - 27362946 - 11259553	.67807457 .80863338 .92804302 1.03576895 113139054
55 567 58 59	-187457375 -193987024 -198953553 -202376278 -204283843	- 201577707 - 195845342 - 188923357 - 180898432 - 171861718	-127299853 -113178723 -98682363 -83926321 -69023904	.04417436 19565681 .34090569 .47905547 .60932388	121459866 128519269 134307698 138825679 142083386
.60 .61 .62 .63	-2.04713774 -2.03711992 -2.01332277 -197635696 -192690004	-161908116 -151135551 -139644249 -127536016 -114913528	- 54085518 - 39218047 - 24524264 - 10102293 03954880	.73101401 .84351580 .94630689 1.03895300 112110756	1.44100145 1.44903911 1.44530704 1.43024018 1.40434210
.65	-186569013	-1.01879640	17559865	119251100	136817862
.66	-179351942	- £8536701	30631251	125298931	132237133
.67	-171122743	- 74985907	43093961	130245224	126759098
.68	-161969422	- £1326668	54879545	134089096	120455078
.69	-151983349	- 47656008	65926421	136837528	113399970
70	-1.41258564	- 34068003	76180070	138505040	1.05671581
71	-1.29891084	- 20653244	85593170	139113341	.97349965
72	-1.17978283	- 07498350	94125686	138690924	.88516767
73	-1.05617912	05314489	101744911	137272652	.79254589
74	- 92908042	17707925	108425446	134899292	.69646363
.75	79945824	29609812	114149150	131617047	59774756

W<sub>9</sub>(x, r)

1.00	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	W <sub>9</sub> (x, r)		
11	X		4.0	6.0	8.0	10.0
According	.01	13.85990475	1322437945	1175657503	10.58444173	9.67977964
	.02	12.03171065	1124363038	978862191	8.72024381	7.92436194
	.03	10.33975955	943919269	802256167	7.05949303	6.36730118
11	Ω6	6.03345704	4.99422891	380727492	315670086	2.74199072
	Ω7	4.83825978	3.80634362	272266281	217158273	183749599
	Ω8	3.75491969	2.75127352	177920717	132385780	1.06427547
166	11 12 13	112587720 43974845 - 15964498	30228806 - 30118853 - 81066162	- 30964560 - 39166906 -118191885	- 50654733 - 91352536 -123480188	- 57937348 - 93614151 -121302628
231	16	-1.48714963	-184519336	-1.88556555	-1.76940792	-164751210
	17	-1.78910975	-204763511	-1.99016078	-1.83040601	-168541099
	18	-2.02882148	-218939635	-2.04162476	-1.84455236	-168117236
### ### ### ### ### ### ### ### ### ##	21	-2.42098982	-230882436	-194032121	-1.66736163	-147428337
	22	-2.45773667	-226483618	-184042287	-1.55344371	-135796250
	23	-2.45472091	-218739036	-171607318	-1.42025392	-182560972
31	26	-224788205	-1.79981109	-124081493	- 94629251	- 77052648
	27	-212588617	-1.63274895	-106144574	- 77545531	- 61042715
	28	-198342464	-1.45304860	- 87733961	- 60331615	- 45075653
36	31	-1.46633874	~ 87081507	- 32482658	- 10353084	00402491
	32	-1.27424891	~ 67201336	- 14854813	.05081720	14171384
	33	-1.07693996	~ 47506732	.02049101	.19636240	27017775
### ### ### ### ### ### ### ### ### ##	36	- 47795273	.08402917	46947393	56896556	59116713
	37	- 28310858	.25406699	59601243	66917048	67469009
	38	- 09380355	.41360477	70965178	75654507	74592798
46       1,06484057       1,21890374       1,12769383       995744117       88987953         47       1,15252630       1,23599769       1,12114971       971347065       86106514         49       1,28556822       1,28908820       1,07146092       94162785       82399097         50       1,33097560       1,28602066       1,03580158       85241177       7,2822173         51       1,36253776       1,24366496       98804382       79671411       7,2471936         52       1,38056280       1,24366496       98804382       79671411       7,2471936         53       1,38545705       1,20580253       86870916       66749033       54287916         54       1,37771660       1,5786873       7,9894808       59571411       7,2476500         55       1,35791872       1,15786873       7,9894808       5938337       401255306         57       1,284813699       96232101       56041460       362383337       435276514         58       1,23298913       882937106       47423145       28140073       107486219         59       1,17205516       7,0852883       20016659       2016659       2016659         40       1,0285568       7,0852883       29	A1	42569355	£1922783	96896910	94014223	#8577009
	A2	57853503	92770757	102764821	97539076	90836618
	A3	71954728	102205934	107254463	99810027	91954036
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1.63	1861	3830	3930	1745	- 1823
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	1.87	.0402	1291	1720	1711	1623
	1.88	.0598	1427	1781	1736	1629
1.96         1.754         2012         1.794         1.522         1.316         1.377         1.838         2022         1.743         1.452         1.240         1.240         1.98         1.908         2018         1.681         1.374         1.157         1.99         1.963         2000         1.661         1.374         1.157         1.070         1.289         1.198         .0977         1.070         1.289         1.198         .0977         .020         2042         1.481         1.101         .0881         .0881         .020         .020         1.202         1.2441         1.101         .0881         .0881         .020         .020         2.042         1.481         .0100         .0781         .0881         .020         .020         .0204         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .020         .	191	1125	1755	1883	1738	1583
	192	1277	1835	1889	1715	1547
	193	1416	1900	1883	1681	1501
201       2030       1927       1441       1101       D881         202       2042       1807       1346       1000       D781         203       2039       1807       1245       D894       D679         205       1995       1647       1026       D863       D471         206       1954       1553       D911       D563       D366         207       1901       1452       D793       D451       D366         208       1836       1343       D672       D338       D158         209       1761       1229       D551       D226       D056         210       1677       1110       D429       D116       - D436         211       1584       D987       D308       D073       D443         212       1482       D860       D188       - D097       - D232         213       1374       D732       D070       - D198       - D322         214       1259       D602       D070       - D198       - D404         215       1140       D471       - D156       - D388       - D404         215       1140       D471       - D1	196	1754	2012	1794	1522	1316
	197	1838	2022	1743	1452	1240
	198	1908	2018	1681	1374	1157
2.06	2.01	2030	1927	1441	1101	.0881
	2.02	2042	1872	1346	1000	.0781
	2.03	2039	1807	1245	0894	.0679
211       1584       0987       0308       0008       - 0136         212       1482       0860       0188       - 0097       - 0232         213       1374       0732       0070       - 0198       - 0320         214       1259       0602       - 0044       - 0295       - 0404         215       1140       0471       - 0156       - 0388       - 0556         216       1016       0342       - 0263       - 0475       - 0556         217       0888       0213       - 0366       - 0557       - 0624         218       0759       0628       - 0087       - 0463       - 0557       - 0624         219       0628       - 0036       - 0355       - 0703       - 0741         220       0496       - 0156       - 0640       - 0765       - 0790         221       0365       - 0271       - 0719       - 0822       - 0833         222       0355       - 0388       - 0719       - 0871       - 0897         223       0205       - 0388       - 0719       - 0871       - 0897         223       02107       - 0388       - 0790       - 0719       - 0719	2.06	1954	1553	0911	.0563	0366
	2.07	1901	1452	0793	.0451	0261
	2.08	1836	1343	0672	.0338	0158
216     1016     0342     - 0263     - 0475     - 0556       217     0888     0213     - 0366     - 0557     - 0624       218     0759     087     - 0463     - 0533     - 0686       219     0628     - 0036     - 0555     - 0703     - 0741       220     0496     - 0156     - 0640     - 0765     - 0790       221     0365     - 0271     - 0719     - 0822     - 0833       222     0235     - 0382     - 0790     - 0871     - 0868       223     0107     - 0486     - 0855     - 0912     - 0897       224     - 0018     - 0585     - 0911     - 0947     - 0919	211	1584	0987	.0308	.0008	- 0139
	213	1482	0860	.0188	0097	- 0232
	213	1374	.0732	.0070	0198	- 0320
221	216	1016	.0342	- 0263	- £475	- 0556
	217	.0888	.0213	- 0366	- £557	- 0624
	218	.0759	.0087	- 0463	- £633	- 0686
-22501400676096109740934	221	0365	- 0271	- 0719	- 2822	- 0833
	222	.0235	- 0382	- 0790	- 2871	- 0868
	223	.0107	- 0486	- 0855	- 2912	- 0897
	-2.25	- 0140	- 2676	- 0961	- 0974	- 0934

W<sub>9</sub>(x, r)

	W <sub>9</sub> (x, r)				
X	ı	. 1.1	1.25	1.5	2.0
5 8 8 8 8 8 8 8 8 8 8 8	- 1403 - 1275 - 1141 - 1004 - 0864	- 0208 - 0065 0075 0311	1012 1105 1187 1259 1321	1674 1661 1638 1604 1560	1137 1033 0905 0785 0663
230	- 0723	.0466	1378	1507	0540
231	- 0579	.0583	1413	1445	0417
232	- 0435	.0694	1443	1376	0295
233	- 0294	.0797	1462	1299	0174
233	- 0155	.0891	1471	1215	0055
235 236 237 238 238 239	0018 .0115 .0244 .0367 .0485	0977 1054 1122 1180 1228	1470 1459 1438 1409 1370	1126 1032 0933 0831 0726	0061 0173 0281 0384 0481
2.40	0595	1268	1324	.0630	- 0573
2.41	0699	1297	1270	.0513	- 0558
2.42	0795	1317	1209	.0404	- 0736
2.43	0883	1327	1142	.0296	- 0807
2.44	0963	1329	1069	.0189	- 0871
2.45 2.46 2.47 2.48 2.49	1034 1096 1149 1192 1227	1321 1304 1280 1247 1207	.0990 .0908 .0821 .0732	.0084 0019 0119 0215 0307	- 0927 - 09275 - 1015 - 1048 - 1072
250	1252	1160	0546	0394	- 1089
251	1268	1107	0451	0476	- 1097
252	1275	1047	0356	0553	- 1098
253	1273	1982	0362	0624	- 1098
254	1263	0913	0168	0688	- 1079
255	1245	0839	.0075	0746	- 1058
256	1219	0768	0015	0798	- 1032
257	1185	0688	0103	0842	- 0999
258	1144	0599	0187	0880	- 0960
259	1097	0515	0268	0911	- 0916
2.60	1044	.0429	0345	- 0935	- 0867
2.61	0985	.0343	0417	- 0952	- 0813
2.62	0981	.0258	0484	- 0962	- 0756
2.63	0853	.0173	0547	- 0965	- 0695
2.54	0781	.0089	0603	- 0963	- 0631
2.65	0706	.0007	0655	- 0952	- 0565
2.66	0628	0073	0700	- 0936	- 0497
2.67	0548	0150	0739	- 0914	- 0427
2.68	0467	0224	0773	- 0887	- 0357
2.69	0385	0294	0800	- 0855	- 0886
2.70 2.71 2.72 2.73 2.74	0303 0820 0139 0059 - 0019	0361 0423 0480 0533 0580	- 0821 - 0836 - 0845 - 0846 - 0845	0818 0776 0730 0681 0628	- 0215 - 0145 - 0075 - 0008
2.75	- 0095	0623	- 0836	- 0573	0128
2.76	- 0168	0650	- 0823	- 0516	0183
2.77	- 0238	0691	- 0804	- 0456	0241
2.78	- 0304	0717	- 0780	- 0395	0296
2.79	- 0366	0737	- 0751	- 0334	0347
2.80	- 0424	0752	- 0719	0271	0395
2.81	- 0478	0762	- 0682	0209	.0439
2.82	- 0527	0766	- 0642	0147	.0478
2.83	- 0571	0764	- 0599	0086	.0513
2.83	- 0610	0758	- 0553	0026	.0543
285	- 2644	- 0747	0504	0033	Q570
286	- 2672	- 0731	0454	0089	Q591
287	- 2695	- 0710	0401	0144	Q608
288	- 2713	- 0686	0348	0196	Q620
289	- 2725	- 0657	0894	0245	Q628
8.90	- 0733	0625	- 0239	0291	0638
8.91	- 0735	0589	- 0184	0334	0631
8.92	- 0732	0551	- 0130	0373	0626
8.93	- 0724	0510	- 0076	0409	0617
8.94	- 0712	0467	- 0023	0441	0603
295 2967 2998 2999	- 0695 - 0674 - 0649 - 0680 - 0588	0421 0375 0327 0278 0228	0028 0078 0135 0171 0214	0470 0493 0513 0529 0541	.0587 .0566 .0542 .0516 .0487
3.00	- D553	- £179	.0855	£550	.0455

 $W_9(x,r)$ 

X	3.0	4.0	6.0	8.0	10.0
2.25	0140	- 0676	- 2961	0974	0934
226	- 0257	~ 0761	- 1002	- D994	- 0943
227	- 0369	- 0838	- 1036	- 1007	- 0945
228	- 0475	- 0908	- 1061	- 1013	- 0941
229	- 0575	~ 0969	- 1079	- 1012	- 0931
250	- 2669	- 1022	- 1089	- 1004	- 0914
251	- 2755	- 1067	- 1092	- 0990	- 0893
252	- 2834	- 1104	- 1087	- 0970	- 0865
253	- 2906	- 1132	- 1075	- 0943	- 0833
254	- 2969	- 1151	- 1057	- 0911	- 0796
235	- 1024	- 1163	- 1032	- 0874	- 0755
236	- 1070	- 1166	- 1000	- 0832	- 0710
237	- 1108	- 1162	- 0963	- 0736	- 0661
238	- 1138	- 1150	- 0920	- 0736	- 0610
239	- 1159	- 1130	- 0873	- 0682	- 0556
2.40	- 1171	- 1103	- 0821	- 0625	- 0499
2.41	- 1176	- 1070	- 0765	- 0566	- 0441
2.42	- 1172	- 1031	- 0705	- 0505	- 0382
2.43	- 1161	- 0986	- 0643	- 0442	- 0322
2.44	- 1142	- 0935	- 0578	- 0377	- 0261
2.45	- 1116	0880	0510	- 0312	0300
2.46	- 1084	0820	0442	- 0247	0140
2.47	- 1045	0757	0372	- 0182	0080
2.48	- 1000	0690	0302	- 0118	0022
2.49	0950	0621	0232	- 0054	.0035
250	- 0894	- 0549	- 0162	0007	0090
251	- 0835	- 0476	- 0093	0068	0143
252	- 0771	- 0401	- 0025	0125	0194
253	- 0704	- 0326	- 0040	0181	0241
254	- 0634	- 0251	- 0104	0234	0286
255	- 0562	0176	0165	0283	0328
256	- 0489	0103	0224	0330	0366
257	- 0414	0030	0279	0372	0400
258	- 0338	.0040	0331	0411	0431
259	- 0262	.0108	0379	0447	0459
2.60	- 0187	.0174	0423	0478	0482
3.61	- 0112	.0236	0463	0505	0502
3.62	- 0039	.0296	0499	0528	0517
2.63	.0032	.0351	0530	0547	0529
2.64	.0102	.0403	0557	0561	0537
265	.0168	0450	.0580	0572	.0541
266	.0231	0493	.0598	0578	.0541
267	.0292	0532	.0611	0580	.0537
268	.0348	0566	.0620	0579	.0531
269	.0401	0595	.0625	0573	.0520
270	0449	2619	0625	0564	0507
271	0493	2638	0621	0551	0490
272	0532	2653	0613	0535	0471
273	0567	2663	0601	0516	0449
274	0597	2668	0586	0494	0425
275	0622	2668	0567	0469	.0398
276	0642	2664	0544	0441	.0370
277	0658	2656	0519	0412	.0340
278	0668	2643	0491	0381	.0308
279	0674	2687	0460	0347	.0276
2.80 2.81 2.82 2.83 2.84	0675 0671 0663 0651 0635	0607 0583 0556 0526 0493	0427 0392 0356 0318 .0279	0313 0277 0241 0204 0167	.0242 .0208 .0173 .0138
2.85	0615	0458	0240	0129	0069
2.86	0591	0421	0199	0092	0035
2.87	0564	0382	0159	0055	0001
2.88	0534	0341	0119	0019	- 0031
2.89	0501	0300	0079	- 0016	- 0062
290	.0466	0257	.0040	- 0050	0092
291	.0429	0215	.0001	- 0083	0120
292	.0390	0171	0036	- 0115	0147
293	.0349	0128	0072	- 0144	0172
294	.0307	0086	0107	- 0172	0196
295	0265	.0044	- 0140	- 0198	0217
296	0221	.0003	- 0171	- 0222	0236
297	0178	0037	- 0200	- 0243	0253
298	0134	0076	- 0226	- 0262	0267
299	0091	0113	- 0251	- 0279	0280
3.00	.0049	0148	- 0273	0294	- DS30

W<sub>9</sub>(x,r)

	Wg(X, r)				
X	1	1.1	1.25	1.5	2.0
300 301 302 303 303 304	0553 0516 0476 0433 0390	0179 0130 0081 0033	.0255 .0292 .0327 .0358 .0387	0550 0554 0554 0551 0544	0455 0421 0386 0348 0310
3.05 3.06 3.07 3.08 3.09	- 0344 - 0298 - 0251 - 0204 - 0156	.0059 .0103 .0144 .0184 .0221	.0411 .0433 .0451 .0465 —	0534 0520 0503 0484 0461	.0870 .0830 .0190 .0149 .0108
310 311 312 313 314	- 0109 - 0063 - 0017 0027	0256 0288 0317 0343 0366	0483 0487 0487 0484 0478	.0436 .0409 .0380 .0349 .0317	0068 0028 - 0010 - 0048 - 0084
313 316 317 318 319	0113 0151 0188 0223 0256	.0387 .0403 .0417 .0428 .0435	.0469 .0457 .0443 .0425 .0406	0284 0249 0214 0178 0142	- 0118 - 0151 - 0182 - 0210 - 0237
320 321 322 323 324	0286 0313 0337 0358 0377	0439 0440 0439 0434 0426	0384 0360 0365 0307 0879	0107 0071 0036 0002 - 0031	- 0261 - 0283 - 0302 - 0318 - 0332
325 326 327 328 329	.0392 .0404 .0413 .0419 .0422	0416 .0403 .0388 .0371 .0352	.0250 .0219 .0188 .0157 .0126	- 0063 - 0094 - 0124 - 0151 - 0177	0344 0353 0359 0362 0363
3.30 3.31 3.32 3.33 3.34	0422 0420 0414 0406 0396	.0331 .0308 .0384 .0259 .0232	.0094 .0063 .0032	- 0201 - 0223 - 0243 - 0260 - 0276	0362 0358 0352 0343 0333
335 336 337 338 339	0383 0368 0350 0331 0311	0205 0177 0149 0121 0092	- 0055 - 0082 - 0108 - 0133 - 0155	- 0869 - 0899 - 0308 - 0314 - 0318	0321 0307 0291 0273 0255
3.40 3.41 3.42 3.43 3.44	0288 0265 0240 0214 0188	.0064 .0036 .0009 0018 0044	- 0176 - 0196 - 0213 - 0229 - 0242	0319 0319 0316 0311	0235 0214 0192 0170 0147
3.45 3.46 3.47 3.48 3.49	.0161 .0134 .0107 .0080 .0053	0068 0092 0114 0135 0155	- 0254 - 0263 - 0271 - 0276 - 0279	- 0296 - 0286 - 0274 - 0260 - 0245	0123 0100 0077 0053 0030
5.50 5.51 3.52 5.53 5.54	0026 0000 - 0025 - 0050 - 0073	0173 0189 0203 0216 0227	- 0281 - 0880 - 0278 - 0274 - 0268	- 0229 - 0212 - 0194 - 0175 - 0156	- 0008 .0014 .0036 .0056
3.55 3.56 3.57 3.58 3.59	- 0096 - 0117 - 0136 - 0154 - 0171	0236 0243 0248 0252 0254	- 0260 - 0251 - 0241 - 0229 - 0216	- 2136 - 2115 - 2095 - 2074 - 2053	.0094 .0111 .0127 .0142 .0155
3.60 3.62 3.63 3.63 3.64	- 0186 - 0199 - 0211 - 0221 - 0229	0254 0252 0248 0244 0237	- 0202 - 0187 - 0171 - 0154 - 0137	- 2033 - 2013 2006 2025 2044	.0167 .0178 .0187 .0194 .0200
3.65 3.66 3.67 3.68 3.69	- 0235 - 0240 - 0242 - 0243	0229 0230 0210 0198 0186	- 0120 - 0102 - 0084 - 0065 - 0047	0061 0078 0093 0108 0181	0205 0208 0209 0209 0209
3.70 3.71 3.72 3.73 3.74	- 0241 - 0237 - 0232 - 0235 - 0217	0172 0158 0143 0128 0112	- 0029 - 0012 - 0005 - 0022 - 0038	0133 0144 0154 0162 0169	0205 0201 0196 0189 0188
3.75	8020	0096	.0053	D174	.0173

 $W_9(x,r)$ 

No.   40   60   80   100		$W_{9}(x,r)$					
1007	X	3.0	4.0	6.0.	8.0	10.0	
1006	3.01	0007	- 0181	0293	- 0306	- 0299	
	3.02	- 0034	- 0213	0310	- 0316	- 0305	
	3.03	- 0073	- 0241	0324	- 0324	- 0308	
10	3.06	- 0180	- £313	- 0353	- 0332	- 0306	
	3.07	- 0211	- £331	- 0357	- 0331	- 0302	
	3.08	- 0241	- £347	- 0359	- 0327	- 0295	
116	311	- 0313	- 0377	- 0349	- 0303	- 0265	
	312	- 0332	- 0382	- 0342	- 0291	- 0252	
	313	- 0349	- 0384	- 0332	- 0278	- 0238	
10	316	- 0380	- 0374	- 0292	- 0239	0188	
	317	- 0385	- 0366	- 0275	- 0211	0170	
	318	- 0387	- 0356	- 0257	- 0192	0151	
\$226	3.21	- 0378	- 0313	- 0196	- 0130	0091	
	3.22	- 0371	- 0295	- 0174	- 0109	0071	
	3.23	- 0360	- 0275	- 0151	- 0087	0051	
100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100	326	- 0318	- 0210	0082	- 0023	.0007	
	327	- 0300	- 0187	0059	- 0003	.0025	
	328	- 0280	- 0163	0036	- 0017	.0042	
1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000	331	- 0215	- 0089	0029	0073	0090	
	332	- 0191	- 0064	0050	0089	0104	
	333	- 0167	- 0040	0069	0105	0117	
\$\frac{3}{41}\$ \$\frac{1}{3}42\$ \$\frac{1}{3}44\$ \$\frac{1}{3}42\$ \$\frac{1}{3}44\$	336	- 0092	0030	0121	0144	0149	
	337	- 0068	0052	0136	0155	0157	
	338	- 0043	0073	0150	0164	0164	
194	3.41	0028	0129	£182	0184	0176	
	3.42	0051	0145	£190	0188	0178	
	3.43	0072	0160	£196	0190	0178	
151	3.46	0129	0194	.0206	1190	2172	
	3.47	0145	0203	.0206	1187	2165	
	3.48	0160	0210	.0205	1183	2163	
13.56	3.51	0195	0220	0195	D.165	D142	
	3.52	0204	0221	0189	D157	D133	
	3.53	0211	0221	0182	D148	D124	
1.61	3.56	.0223	0209	0154	£117	0093	
	3.57	.0223	0202	0144	£106	0082	
	3.58	.0222	0195	0132	£094	0071	
3.66	3.61	0211	0166	0095	0058	0037	
	3.62	0205	0154	0082	0045	0025	
	3.63	0197	0142	0069	0033	0014	
3.71	3.66	.0168	0102	0029	- 0003	- 0018	
	3.67	.0157	0088	0016	- 0014	- 0028	
	3.68	.0145	0074	0003	- 0025	- 0038	
	3.71	0105	0031	- 0033	- 0055	- 0063	
	3.72	0091	0017	- 0044	- 0064	- 0070	
	3.73	0077	0004	- 0054	- 0072	- 0077	
3.75 0.048 - 0.022 - 0.073 - 0.086 - 0.088	3.75	.0048	- 0022	- 0073	- 2086	8800	

 $W_9(x,r)$ 

X	1	1.1	1.25	1.5	2.0
3.75	- 0208	0096	.0053	0174	.0173
3.76	- 0198	0080	.0068	0179	.0164
3.77	- 0186	0063	.0081	0182	.0153
3.78	- 0174	0047	.0094	0183	.0142
3.79	- 0161	0031	.0106	0184	.0131
3.80 3.81 3.82 3.83 3.84	0147 0133 0118 0102 0087	0015 .0001 .0016 .0031	.0116 .0126 .0135 .0142 .0148	0183 0181 0178 0174 0168	0118 0106 0093 0079 0066
3.25	0071	.0058	0153	0162	0052
3.86	0055	.0070	0157	0155	0039
3.87	0040	.0082	0160	0147	0026
3.88	0024	.0093	0161	0138	0018
3.89	0009	.0103	0162	0128	0000
390	0006	0112	0161	.0118	0013
391	0020	0120	0159	.0108	0025
392	0034	0127	.0156	.0097	0037
393	0047	0133	.0153	.0085	0048
394	0060	0137	0148	.0074	0058
3.95 3.96 3.97 3.98 3.99	0071 0082 0093 0102 0110	.0141 .0144 .0145 .0146	0142 0136 0189 0121 0113	.0 0 6 2 .0 0 5 0 .0 0 3 8 .0 0 2 6 .0 0 1 5	0068 0077 0085 0092 0099
4.00 4.01 4.02 4.03 4.04	0117 0124 0129 0133 0136	0144 0142 .0139 .0135	.0104 .0095 .0085 .0075 .0065	.0003 0008 0019 0029 0039	0104 0109 0113 0116 0119
4.05	0139	0124	0055	- 2048	- 0120
4.06	0140	0118	0044	- 2057	- 0120
4.07	0140	0111	0034	- 2065	- 0130
4.08	0139	0104	0023	- 2072	- 0119
4.09	0138	0096	0013	- 2079	- 0117
410 411 412 413 414	.0135 .0132 .0128 .0123 .0118	.0088 .0079 .0070 .0061 .0052	0003 - 0007 - 0016 - 0025 - 0034	- £085 - £090 0095 - £099	- 0115 - 0111 - 0107 - 0103 - 0098
415	.0111	0042	- 0042	- 0104	- 0098
416	.0105	0033	- 0050	- 0105	- 0086
417	.0097	0023	- 0057	- 0106	- 0079
418	.0090	0014	- 0063	- 0106	- 0073
419	.0082	0005	- 0069	- 0105	- 0065
420	.0073	0004	- 0075	- 0104	0058
421	.0064	0013	- 0079	- 0102	0050
422	.0056	0021	- 0083	- 0099	0043
423	.0047	0029	- 0087	- 0096	0035
424	.0038	0036	- 0089	- 0092	0027
425 426 427 428 429	.0028 .0019 .0011 .0002 0007	0043 0050 0056 0061 0066	- 0091 - 0092 - 0093 - 0093	- 2083 - 2077 - 2072 - 2066	- 0019 - 0012 - 0004 - 0003
430	0015	- 0071	0091	- 0060	0017
431	0023	- 0074	0089	- 0053	0024
432	0030	- 0077	0087	- 0047	0030
433	0037	- 0080	0084	- 0040	0036
434	0044	- 0082	0081	- 0033	0041
435	- 0050	0085	0077	- 0026	.0046
436	- 0055	0084	0073	- 0019	.0050
437	- 0060	0084	0068	- 0013	.0054
438	- 0065	0084	0063	- 0006	.0058
439	- 0069	0083	0058	0001	.0061
4.40	- 2072	- 0081	- 0052	2007	.0064
4.41	- 2075	- 0079	- 0047	2013	.0066
4.42	- 2077	- 0077	- 0041 =	2019	.0067
4.43	- 2079	- 0074	- 0035	2024	.0069
4.44	- 2080	- 0070	- 0029	2030	.0069
4.45 4.46 4.47 4.48 4.49	- 4081 - 4081 - 6080 - 6079 - 6077	- 0067 - 0062 - 0058 - 0053 - 0049	0023 0017 0011 0005	.0034 .0039 .0043 .0047 .0050	0069 0069 0068 0067
4.50	0075	0044	.0006	.0053	.0063

 $W_9(x,r)$ 

X	3.0	4.0	6.0	8.0	10.0
3.75	£048	- 2022 -	0073	- 2086	- 2088
3.76 3.77 3.78 3.79	.0033 .0019 .0005 0008	- 0035 - 0047 - 0058 - 0068	- 0081 - 0089 - 0096 - 0101	- 0091 - 0096 - 0101 - 0104	- 0098 - 0098 - 0101
3.80 3.81 3.82 3.83 3.84	0021 0034 0046 0057 0068	- 0078 - 0087 - 0095 - 0102 - 0108	- 0106 - 0111 - 0114 - 0116 - 0118	- 0107 - 0109 - 0110 - 0110 - 0110	- 0103 - 0103 - 0103 - 0103
3.85 3.86 3.87 3.88 3.89	0078 0087 0095 0102 0109	- 0114 - 0118 - 0122 - 0125 - 0126	- 0119 - 0119 - 0118 - 0116 - 0114	- 0109 - 0107 - 0104 - 0101 - 0097	- 0098 - 0098 - 0089 - 0085
3.90 3.91 3.92 3.93 3.94	- 0114 - 0119 - 0123 - 0126 - 0127	- 0127 - 0127 - 0126 - 0124 - 0122	- 0111 - 0107 - 0103 - 0098 - 0092	- 2093 - 2088 - 2083 - 2077	- £080 - £075 - £069 - £064 - £058
395 396 397 398 399	0128 0128 0128 0126 0124	- 0119 - 0115 - 0110 - 0105 - 0099	- 0086 - 0080 - 0074 - 0067 - 0059	- 0065 - 0058 - 0052 - 0045 - 0038	0051 0045 0038 0032 0025
4.00 4.01 4.02 4.03 4.04	- 0120 - 0116 - 0112 - 0107 - 0101	- 0093 - 0086 - 0079 - 0071 - 0064	- 0052 - 0044 - 0037 - 0029 - 0021	- 0030 - 0023 - 0016 - 0009 - 0002	- 0018 - 0012 - 0005 - 0001
4.05 4.06 4.07 4.08 4.09	- 0094 - 0088 - 0081 - 0073 - 0065	- 0056 - 0048 - 0040 - 0031 - 0023	- 0014 - 0006 - 0001 - 0008 - 0015	0004 0011 0017 0023 0028	0013 0018 0024 0029 0034
410 411 412 413 414	- 0057 - 0049 - 0041 - 0033 - 0024	- 0015 - 0007 - 0001 - 0008 - 0016	0021 0028 0034 0039 0044	0034 0038 0043 0047 0051	0038 0042 0046 0049 0052
415 416 417 418 419	0016 0008 .0000 .0008 .0015	0023 0029 0036 0042 0047	0049 0053 0056 0060 0062	0054 0057 0059 0061 0062	.0054 .0056 .0057 .0058 .0059
420 421 422 423 424	0022 0029 0035 0041 0047	0052 0056 0060 0064 0067	0065 0066 0068 0068 0069	0063 0063 0063	0059 0059 0058 0057 0056
425 426 427 428 428	0052 0056 0060 0064 0067	0069 0071 0072 0073 0073	2068 2068 2066 2065 2063	Q 061 Q 059 Q 0557 Q 0553	0054 0053 0050 0048 0045
430 431 432 433 434	0070 0071 0073 0074 0074	0073 0072 0071 0070 0067	0061 0058 0055 0052 0048	2050 2047 2043 2040 2036	D0 4 2 D0 3 5 D0 3 2 D0 3 2
435 436 437 438 439	0074 0073 0072 0070 0068	0065 0068 0059 0056 0058	.0045 .0041 .0037 .0033 .0028	0032 0028 0024 0020 0016	0024 0021 0017 0013 0009
4.40 4.41 4.42 4.43 4.44	0066 0063 0060 0057 0053	0048 0044 0039 0035 0030	0024 0019 0015 0011 0006	0012 0008 0004 0000 - 0004	.0005 .0002 0005 0009
4.45 4.46 4.47 4.48 4.49	0049 0045 0040 0036 0031	0026 0021 0016 0012 0007	.0002 0002 0006 0010 0014	0008 0011 0014 0018 0020	- 0012 - 0015 - 0018 - 0020 - 0023
4.50	9800	0003	- 0017	- 2023	0025

W<sub>9</sub>(x, r)

	<del>.</del>		W <sub>9</sub> (x, r)		
X	1	1.1	1.25	1.5	2.0
4.50 4.51 4.52 4.53 4.54	0075 0073 0070 0066 0063	0044 0038 0033 0028	0006 0011 0016 0021 0026	.0 0 5 3 .0 0 5 5 .0 0 5 7 .0 0 5 9 .0 0 6 0	.0063 .0061 .0058 .0055 .0055
4.55 4.56 4.57 4.58 4.59	- 0059 - 0054 - 00550 - 0045 - 0040	0017 0011 0006 0001	.0030 .0034 .0038 .0041 .0044	0061 0061 0061 0060 0059	.0048 .0044 .0040 .0036
4.50 4.51 4.52 4.53 4.54	- 0035 - 0030 - 0025 - 0026 - 0014	0009 0014 0018 0022 0026	.0047 .0049 .0050 .0053	.0 0 5 8 .0 0 5 6 .0 0 5 4 .0 0 5 2 .0 0 4 9	.0027 .0023 .0018 .0014 .0010
4.65 4.66 4.67 4.68 4.69	- 0009 - 0004 - 0001 - 0006 - 0010	.0030 .0033 .0036 .0039 .0041	0053 0054 0053 0053 0053	0046 0043 0040 0037 0033	0005 0001 - 0003 - 0007 - 0011
4.70 4.71 4.72 4.73 4.74	0015 0019 0023 0026 0030	D044 D045 D046 D047 D048	.0051 .0049 .0048 .0046	0029 0025 0021 0017 0014	- 0015 - 0018 - 0088 - 0085 - 0027
4.75 4.76 4.77 4.78 4.79	.0033 .0036 .0038 .0040 .0042	.0048 .0048 .0048 .0047 .0046	.0041 .0038 .0035 .0032 .0032	0010 0006 0008 - 0008 - 0005	0030 0032 0034 0036 0037
4.80 4.81 4.82 4.83 4.84	.0044 .0045 .0046 .0046	0045 0043 0048 0040 0037	0026 .0022 .0019 .0015 .0012	- 0009 - 0012 - 0015 - 0018 - 0021	- 0038 - 0039 - 0040 - 0040 - 0040
4.85 4.86 4.87 4.88 4.89	0046 0046 0045 0044 0043	0035 .0038 .0030 .0037 .0084	0009 0005 00002 - 0001 - 0005	- 0023 - 0026 - 0028 - 0029 - 0031	0040 0039 0038 0037 0036
4.90 4.91 4.92 4.93 4.94	0041 0039 0037 0035 0035	Q021 Q018 Q015 Q012 Q008	- 0008 - 0011 - 0013 - 0016 - 0018	- 0032 - 0033 - 0034 - 0035 - 0035	- 0034 - 0033 - 0031 - 0029 - 0027
4.95 4.96 4.97 4.98 4.99	.0030 .0086 .0085 .0088 .0019	0005 0002 - 0001 - 0003 - 0006	- 0020 - 0022 - 0084 - 0086 - 0087	- 0035 - 0035 - 0034 - 0034 - 0033	0035 0022 0020 0017 0015
5.00	2016	- 2009	8800 -	- D032	0012
	• •				

 $W_9(x,r)$ 

	W <sub>9</sub> (x,r)						
X	3.0	4.0	6.0	8.0	10,0		
450 451 452 453 454	0026 0022 0017 0012 0007	0002 - 0002 - 0006 - 0011 - 0015	- 0017 - 0021 - 0024 - 0026 - 0029	- 0033 - 0036 - 0030 - 0033	0025 0027 0029 0030 0031		
4.55 4.56 4.57 4.58 4.59	.0003 0002 0006 0010 0014	- 0018 - 0022 - 0025 - 0028 - 0031	- 0031 - 0033 - 0035 - 0036 - 0038	- 0033 - 0034 - 0035 - 0036 - 0036	- 0032 - 0033 - 0034 - 0034 - 0034		
4.60 4.61 4.62 4.63 4.64	- 0018 - 0022 - 0025 - 0026 - 0031	- 0033 - 0035 - 0037 - 0039 - 0040	8 200 9 200 9 2200 9 2200 9 2200	- 0037 - 0036 - 0036 - 0036 - 0035	- 0034 - 0033 - 0033 - 0032 - 0031		
4.65 4.66 4.67 4.68 4.69	- 0033 - 0036 - 0038 - 0039 - 0040	- 0041 - 0042 - 0042 - 0042 - 0042	- 0039 - 0038 - 0037 - 0036 - 0034	- 0034 - 0033 - 0031 - 0030 - 0088	- 0030 - 0028 - 0027 - 0025 - 0023		
4.70 4.71 4.72 4.73 4.74	0041 0042 0043 0043	- 0041 - 0041 - 0040 - 0038 - 0037	- 0033 - 0031 - 0089 - 0087 - 0025	- 0026 - 0024 - 0022 - 0020 - 0018	- 0022 - 0020 - 0018 - 0015 - 0013		
4.75 4.76 4.77 4.78 4.79	- 0042 - 0041 - 0040 - 0039 - 0037	- 0035 - 0033 - 0031 - 0029 - 0027	- 0023 - 0020 - 0018 - 0015 - 0013	- 0015 - 0013 - 0011 - 0008 - 0006	- 0011 - 0009 - 0007 - 0004 - 0002		
4.80 4.81 4.82 4.83 4.84	0036 0034 0032 0030 0027	- 2024 - 2022 - 2019 - 2016 - 2014	- 0010 - 0008 - 0005 - 0003	- 0004 - 0001 - 0001 - 0003 - 0005	2000 2002 2004 2006 2007		
4.85 4.86 4.87 4.88 4.89	0025 0022 0020 0017 0014	- 0011 - 0008 - 0006 - 0003	0002 0004 0007 0009 0011	0007 0009 0011 0012 0014	0009 0011 0012 0014 0015		
490 491 492 493 494	- 0011 - 0009 - 0006 - 0003 - 0001	0002 0005 0007 0009 0011	0012 0014 0016 0017 0018	4015 4016 4018 4019 4019	0016 0017 0018 0018 0019		
4.95 4.96 4.97 4.98 4.99	0002 0004 0007 0009	0013 0015 0017 0018 0020	0082 0081 0080 0080	0020 0020 0021 0021 0021	0019 0050 0030 0019 0013		
5.00	.0013	0021	.0023	0021	.0019		
	S.						
	:						

 $W_{tO}(x, r)$ 

X		1.1	1.25	1.5	2.0
.00 .01 .08 .03	.50000000 .99068019 146793053 192840318 2.36900565	4.79981735 5.09377113 5.35022748 5.56811918 5.74669420	936912482 922102834 923102839 839861952 852892439	1398250395 13.07393059 12.15956417 11.24389226 10.33131134	1798702875 1597336238 1406922803 1227505316 1059087042
25 26 20 20 20 20 20 20	278682225 317918323 354367150 387813689 418070782	5.88551496 5.98445490 6.04369270 6.06370406 6.04525129	822368104 7.88571391 7.51800999 712369314 6.70599795	9.42610039 8.53239579 7.55416750 6.79519688 5.95905620	9,01632224 7,55066746 6,19278999 4,94120956 3,79409437
10 112 113 14	4.44980041 4.68412496 4.88268987 5.04480294 5.17007024	5.98937080 5.89735861 5.77075415 5.61132241 5.42103471	626824327 581380573 534609333 486851941 438447721	5.1 4 9 0 8 9 9 8 4.3 6 8 3 9 8 2 6 3.6 1 9 8 2 1 8 8 2.9 0 5 9 2 9 9 5 2.2 2 9 0 0 9 3 9	2.74927558 1.80426352 .95626563 .20220579 46125488
15 17 19 19	525839249 530995906 532523983 530497485 525016206	5.20204827 4.95668475 4.68740796 4.39680100 4.08754300	3.89731507 3.41031271 2.92665843 2.44942772 1.98156316	1.59105673 .99377211 .438555555 07349478 54158165	-1.03769615 -1.53091554 -1.94490446 -2.28382351 -2.55197724
20	516204318	3.76238559	1.52585587	- 96520630	-2.75378857
21	504208796	3.42412949	1.08492857	-134416351	-2.89377290
22	489197589	3.07560117	&6122047	-167853485	-2.97651226
23	471358272	2.71962997	25697380	-196868003	-3.00662955
24	450895071	2.35902573	- 12577766	-221522643	-2.98876307
25	4.28027810	199655721	- 48521822	-241905704	-292754156
26	4.02989276	163493130	- 81975787	-258129676	-282755978
27	3.76023133	127677335	-112803803	-270329746	-269335497
28	3.47381706	92460862	-140893532	-278662164	-252938413
29	3.17323748	58084506	-166156331	-283302509	-234000240
30	2.86112204	24775746	-188527253	- 284443860	-212944262
31	2.54012017	07252693	-207964849	- 282394890	-190179612
32	2.21287949	3785417	-224450799	- 27707892	-166099501
33	1.88802484	6698977	-237989372	- 269026771	-141079583
34	1.55013787	93775817	-248606721	- 258385002	-115476486
35	1.21973758	-118892047	-2.56350032	-845403576	- 89626499
36	.89326190	-141924553	-2.61286523	-230338951	- 63844431
37	.57305035	-163770117	-2.63101233	-213451020	- 38422634
38	.26132802	-181345679	-2.63101230	-195001121	- 13630216
39	- 03980910	-197588425	-2.50203361	-175850086	10287893
40	- 32840742	- 211455702	-254943724	-1.54456359	33109883
41	- 60266744	- 222924788	-247470698	-1.32874183	54640335
42	- 86095391	- 231992488	-237944465	-1.1.075.1884	74707329
43	-110180440	- 238674603	-226535388	- 88330241	93163877
44	-132393624	- 243005242	-213422352	65840970	109887397
45	-1,52625173	- 3.45036021	-1.98791098	- 43505326	124779333
.46	-1,70784180	- 2.44835131	-1.82832539	- 21532819	137764620
.47	-1,86798800	- 2.4886306	-1.65741091	- 00120074	148791014
.48	-2,00616283	- 2.38087690	-1.47713027	20550187	157828288
.49	-2,12202861	- 8.31750621	-1.28944860	40310020	164867306
.5 0	- 2.21543475	-223598342	-1.09631779	.59006982	169918982
.5 1	- 2.28641360	-213764654	- 89966135	.76504727	173013142
.5 2	- 2.33517497	-202392519	- 7.0136006	92683451	174197294
.5 3	- 2.36209924	-189632634	- 50323828	1.07440189	173535318
.5 4	- 2.36772945	-175641976	- 30705120	120688979	171106092
55	-235276209	-160582345	- 11447303	133360888	1.67 00 20 67
56	-231803708	-144618908	.07291381	142403893	1.61 3 2 7 7 8 7
57	-231803708	-127918755	.25362846	150782650	1.54 1 9 8 3 9 9
58	-219332397	-110649483	.42630019	157478125	1.45 7 3 8 1 2 6
59	-210563008	- 98977824	.58967591	162487116	1.36 0 7 8 7 4 6
60	-2.00274137	- 75068309	74262640	1.65821667	125358074
61	-1.88603648	- 57081995	88415144	1.67508372	113718460
62	-1.75696216	- 39175264	101338367	1.67587596	101305309
63	-1.61701972	- 21498681	112959126	1.66112612	88265654
64	-1.46775119	- 04195949	123217941	1.63148655	74746757
45	-131072549	12597056	132069068	158771928	60894783
46	-114752486	28753165	139480416	153068513	46853525
47	- 97973154	44154677	145433362	146133329	32763814
48	- 80891485	58694046	149922456	138068938	18759397
69	- 63661873	72274438	152955023	128984414	04971904
70	- 46434991	84810208	1.54550688	118994167	- 08476091
71	- 29356664	96227250	1.54740796	108216766	- 21468927
72	- 12566825	106463253	1.53567768	96773771	- 33899202
73	.03801459	115467851	1.51084378	84788579	- 45668427
74	.19622870	123202666	1.47352971	72385292	- 56687575
.75	34780630	129641252	1.42444687	59687625	- 66877536

 $W_{IO}(x, r)$ 

1	X	3.0	4.0	6.0	8.0	10.0
13799111973   13760183233   10998900824   9748303540   8887516187     044	.00	1948557159	1895312500	1717194371	15.60606763	1435278773
### SARTYORONA   417321189	.02 .03	13.78911193 1134072607	1276082223	1099690924 848757244	9.74530354 7.39573590	882751621 663027767
11	Ω6	5.42770804	417321189	2.89191460	2.25883847	1.88312637
	Ω7	3.88863247	268679096	1.57518492	1.08178962	.81300325
	Ω8	2.54332203	142326055	.48899103	1.2630239	04699281
16	10	38244294	- 51081809	-108573624	-121754731	-123321892
	11	- 45819651	-121705975	-161752245	-165034719	-160318540
	12	-115516978	-1.77180550	-200537421	-195060521	-185066881
	13	-172021165	-219077023	-226741252	-213652144	-199334763
22	16	-273565539	-277755208	-246040122	-216841055	-1.94687763
	17	-288294419	-279383758	-237478915	-205035370	-1.81771260
	18	-295129978	-274047311	-223518134	-188808604	-1.65074562
### 266	21	-2.77410805	-226675761	-1.59668198	-123378036	-1.01413840
	22	-2.61581859	-203527145	-1.34042943	- 98723271	78191012
	23	-2.42086025	-1.78063610	-1.07505548	- 73776753	54992383
32	26 27 28 29	-168424220 -140851537 -112671465	- 94568243 - 66299297 - 38620337	- 28290755 - 03596092 19628005	02267853 19139689 38842397	09960156 28984065 46135352
36	32 33	- 28972881 - 02624228 22422827	37190234 59090086 78947849	78010884 93154034 105979794	85944796 97299094 106415536	85891007 94957631 101916583
1.53575893	36	87424462	125014603	130405892	120655690	1.10685102
	37	105128589	135645549	133981195	121278699	1.09872335
	38	120550348	143890383	135401662	120019772	1.07389968
A8       1.538653410       1.336696115       B5707781       6.0453647       A5784011         A8       1.54156976       1.23528342       2.445676       37973746       324703981         A9       1.46837392       1.01790057       50160462       36510199       34703981         50       1.38074668       89577841       37665598       1.5098217       0.37973746         51       1.28029359       76709623       25122490       0.3877192       0.06280285         53       1.04758120       A9709797       0.0494641       - 17485311       - 25089976         54       91872545       3.5919108       - 11313079       - 27401057       - 33638666         55       7.8381510       28151245       - 22616713       - 36675452       - 415089976         56       6.4454085       0.08559284       - 33305873       - 45225383       - 48634935         57       50256024       - 0.0712476       - 43282432       - 539881239       - 60449196         59       21685977       - 29778128       - 50768423       - 588827536       - 650449196         60       0.7616666       - 41336487       - 54460862       - 795050750       - 68788188         61       - 0.6120179 <td< td=""><td>41</td><td>153575893</td><td>1.54759141</td><td>127940333</td><td>1.06362534</td><td>91380058</td></td<>	41	153575893	1.54759141	127940333	1.06362534	91380058
	42	159969512	1.54032811	122027385	99041870	83714076
	43	164120914	1.51319491	114671769	90617322	75156814
51       128029359       .76709623       .25122490       .03877192	.48 .48	1.63863410 1.59880236 1.54156976	132696115 123528342 113166853	.85707781 .74352787 .62445676	60453647 49340380 37973746	45784011 35292567 24703981
56       64454085       -08559284       -33305873       -45225363       -3463463         57       50256024       -04413476       -43282432       -59881229       -59881229       -30449196         59       21685977       -29778128       -50768423       -59881229       -65064307         60       0.7616666       -41336487       -68145225       -70950750       -58788188         61       -06120179       -52109648       -74544165       -75063149       -71612045         62       -19394386       -62011180       -79930745       -78209303       -73537418         63       -32085825       -79967356       -84282787       -80389525       -74757518         64       -34085094       -78917268       -87590040       -81614520       -74747117         55       -55294077       -85812816       -89853700       -81904764       -74080866         64       -65626364       -91618590       -9108554       -81289814       -73613586         67       -99881107       -99881107       -90880572       -7087502       -87457103         68       -83375475       -99881107       -9988644       -77503509       -87457103         69       -90680172       -103663928	51	128029359	.76709623	25122490	03877192	- 06280285
	52	116867385	.63362543	12684274	- 07023507	- 15940688
	53	104758120	.49709797	90494641	- 17485311	- 25089976
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	.57	.50256024	- 04713476	- 43282432	- 52980094	- 54962463
	.58	.35948335	- 17533465	- 52460862	- 59881229	- 50449196
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71 -1.01961161 -1.03911913 - 82874111 - 56211483 - 54993668 72 -1.05897999 -1.03104346 - 78693483 - 51197463 - 49828565 73 -1.08692120 -1.01282957 - 73810625 - 55673543 - 44271220 74 -1.10352225 - 98497899 - 58297686 - 49713087 - 38392070	66 67 68	65626364 75007562 83375475	- 91618590 - 96311633 - 99881107	- 91085854 - 91308838 - 90554544	- 81289814 - 79807572 - 77503509	72613586 70389010 67457103
75 -110897546 - 94806938 - 62230472 - 43391157 - 32262209	71	-1.01961161	-1.03911913	- 82874111	- 66211483	54993668
	72	-1.05897999	-1.03104346	- 78693483	- 61197463	49828565
	73	-1.08692120	-1.01282957	- 73810625	- 55673543	44271220
	.75	-110897546	~ .94806932	- 62230472	- 43391157	- 32262209

 $W_{10}(x, r)$ 

			W <sub>10</sub> (x, r)		
X	1	1.1	1.25	1.5	2.0
75	34780630	129641252	142444627	59687625	66877536
76	49167209	134768947	136438276	46817847	76169456
77	62684924	138582624	129419775	33895774	84504988
78	75246446	141090360	121480966	21037816	91836437
79	86775203	142311028	112718698	08356085	98126806
.90 .91 .93 .84	97205687 106483656 114566236 121421933 127030540	1.42273771 1.41017503 1.38590280 1.35048347 1.30456001	1.03233854 .93130365 .82514232 .71492564 .60172633	04042431 16056628 27591956 38561033 48884158	-103349754 -107489460 -110540398 -112507041 -113403478
.85	131382966	1,24884216	48660959	- 58489758	-113352955
.86	134480964	11,8410134	37062429	- 57314738	-118087394
.87	136336792	11,1116170	25479462	- 75304758	-109946788
.88	136372781	1,03089159	14011211	- 88414423	-106878604
.89	136420849	94419492	02752826	- 88607388	-108937110
90	134721937	85200249	- 08205229	- 93856388	- 98182679
91	131925392	.75526332	- 18777804	- 98143185	- 92681058
92	128088301	.55493612	- 28885617	-101458445	- 86502619
93	128274775	.55198095	- 38455748	-103801537	- 79721591
94	117555200	.44735112	- 47422066	-105180271	- 72415286
95	111005459	34198532	55725579	-1.05610569	64663325
96	103706126	23680021	63314780	-1.05116074	56546865
97	95741651	13268336	70145557	-1.03727714	48147846
98	87199535	03048665	76181935	-1.01483211	39548244
99	78169505	- 06897980	81395546	- 98426547	30829357
1.00	.68742690	- 16495326	- 85765933	- 94607400	- 28071180
1.01	.59010819	- 25672330	- 89280427	- 90080541	- 13351445
1.02	.49065431	- 34363626	- 91934019	- 84905214	- 04745609
1.03	.38997112	- 42509903	- 93729170	- 79144488	03674323
1.04	.38894764	- 50058223	- 94675572	- 72864606	11840026
1.05	18844910	- 56962277	- 94789841	66134320	19687389
1.06	.08931036	- 63182576	- 94095178	59024230	27156951
1.07	00767015	- 68686582	- 92620967	51606121	34194269
1.08	10173610	- 73448771	- 90402347	43952317	40750244
1.09	19217832	- 77450642	- 87479743	36135048	46781379
110	- 27833933	- 80680663	- 83898364	- 28225832	52249991
111	- 35961737	- 83134158	- 79707678	- 20294890	57124362
112	- 43546976	- 84813148	- 74960869	- 12410585	61378833
113	- 50541570	- 85786130	- 69714276	- 04638890	64993844
114	- 56903848	- 85887817	- 64026824	D2957095	67955925
115	- 62598709	- 85318828	- 57959444	10317607	70257627
116	- 67597716	- 84045337	- 51574505	17386620	71897410
117	- 71879144	- 82098695	- 44935241	24112314	72879479
118	- 75427957	- 79515005	- 38105192	30446902	73213583
119	- 78235741	- 76334682	- 31147656	36347895	78914764
120	- 80300575	72601986	- 84135161	A1777332	.78003070
121	- 816269	683645	- 170990	A67025	.705038
122	- 822251	636728	- 101286	510957	.684444
123	- 821115	585796	- 033713	549350	.658595
124	- 813081	531396	034183	582033	.687858
125	- 798417	474088	.098884	508898	592612
126	- 777442	414439	.160907	529864	553301
128	- 750517	353020	.219807	544938	510366
128	- 718044	290402	.275176	554153	464272
129	- 680458	237146	.326648	557599	415499
130	- 638226	- 163803	373902	£55408	364535
131	- 591840	- 100910	416661	£47759	311875
132	- 541811	- 038984	454693	£34872	258012
133	- 488669	- 021482	487815	£17003	203435
134	- 432950	- 080021	515888	£94445	148689
135	- 375200	136197	538822	.567521	094063
136	- 315965	189605	556570	.536583	040192
137	- 255767	239877	569134	.502004	- 012546
138	- 195199	286679	576555	.464180	- 063737
139	- 134784	329720	578921	.423522	- 112992
1.40	074867	368746	576357	380452	- 159948
1.41	016115	403546	569026	335403	- 204272
1.42	.041070	433950	557127	288809	- 245665
1.43	.096253	459828	540893	241108	- 283857
1.44	.149027	481097	520584	192732	- 318615
1.45	199019	497710	496491	144108	- 349743
1.46	245889	509664	468922	095653	- 377080
1.47	289334	516993	438214	047770	- 400500
1.48	329088	519768	404713	000847	- 419914
1.49	364921	518102	368785	- 044749	- 435270
1.50	396650	.512139	.330802	088666	- 446554
		<del></del>	l		<u> </u>

 $W_{IO}(x, r)$ 

		<del></del>	W <sub>10</sub> (x, r)		
X	. 3.0	4.0	6.0	8.0	10.0
.75	-110897546	- 94806932	- 62230472	- 43391157	- 32262209
.76	-110357256	- 90274577	- 55687554	- 36783711	- 25952655
.77	-108769828	- 84971235	- 48749398	- 29966817	- 19533659
.78	-106182317	- 78972297	- 41497517	- 23015913	- 13074043
.79	-102649618	- 72357247	- 34013647	- 16005099	- 06640589
.80 .81 .93 .83	- 98233662 - 93002592 - 87029918 - 80393645 - 73175407	- 65208755 - 57611788 - 49652738 - 41418534 - 32995873	- 26378952 - 18673276 - 10974431 - 03357536 04105593	09006470 02089502 .04679514 .11237994 .17527507	00297464 .05894292 .11877246 .17597976 .23007441
85	- 65459592	- 24470369	11347003	23494188	28061281
86	- 57332477	- 15925825	18303097	29089074	38720071
87	- 48881381	- 07443523	24915079	34268395	36949515
88	- 40193836	- 00898443	31129327	38993794	40720583
89	- 31356790	- 09025768	36897719	43232501	44009600
90	- 22455835	16868492	42177880	46957438	46798276
91	- 13574486	24361486	46933382	50147275	49073690
92	- 04793495	31444891	51133874	52786432	50828222
93	03809783	38064480	54755156	54865019	52059443
94	12161978	44171966	57779194	56378743	52769957
95 996 997 999	20194222 27842631 35048707 41759694 47928861	A9725245 54688574 59032683 62734834 65778812	£0194078 £1993925 £3178738 £3754207 £3731474	57328748 57721431 57568197 56885199 55693024	.58967206 .52663238 .51874439 .50621238 .48927785
100	53515727	£8154863	63126853	54016362	.46821605
101	58486226	£9859575	61961516	51883650	.44333233
102	62812805	70895707	60261143	49326686	.41495843
103	66474469	71271971	58055545	46380232	.38344851
104	69456757	71002764	55378266	43081608	.34917525
1.05	71751673	70107867	52266159	39470263	31252584
1.06	73357553	.68612094	48758953	35587359	27389801
1.07	74278888	.66544924	44898803	31475339	23369608
1.08	74526095	.63940085	40729836	27177505	19232705
1.09	74115245	.60835134	36297697	22737602	15019692
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111	.71410013	53291519	26831331	13606340	.06525027
112	.69173047	48942967	21891902	09001079	.02320853
113	.66392064	44273565	16878029	04425204	01805113
114	.63106041	39333004	11836265	- 00081141	05817899
115	59357268	34171960	.06812099	04479568	- 09684530
116	55190878	28841619	.01849582	08733727	- 13374267
117	50654374	23393213	03009018	- 12809577	- 16858811
118	45797137	17877567	07723542	- 16675612	- 20112485
119	40669948	12344667	12256225	- 20303070	- 23112384
120	35324503	06843249	- 16571962	- 23666105	- 25838496
121	298129	014204	- 206385	- 267419	- 282738
122	241873	- 038788	- 244268	- 295109	- 304043
123	184994	- 090115	- 279110	- 319567	- 322191
124	127997	- 139378	- 310685	- 340663	- 337104
125	071378	- 186203	- 338804	- 358299	- 348735
126	015613	- 230251	- 363311	- 372410	- 357066
127	- 038841	- 271215	- 384090	- 382964	- 362110
128	- 091554	- 308823	- 401056	- 389963	- 363908
129	- 142119	- 342841	- 414162	- 393438	- 362526
130	- 190161	- 373070	- 423397	- 393449	- 358061
131	- 235338	- 399352	- 428781	- 390087	- 350629
132	- 277341	- 421567	- 430368	- 383468	- 340373
133	- 315897	- 439631	- 428245	- 373734	- 327453
134	- 350769	- 453502	- 422528	- 361050	- 312051
135	- 381761	- A63171	- 413359	- 345602	- 294364
136	- 408714	- A68668	- 400908	- 327596	- 274603
137	- 431507	- A70058	- 385368	- 307252	- 252993
139	- 450059	- A67439	- 366953	- 284807	- 229766
139	- 464328	- A60940	- 345898	- 260507	- 205166
1.40	- 474309	- 450720	- 322450	- 234609	- 179437
1.41	- 480033	- 436966	- 396874	- 207377	- 152831
1.42	- 481569	- 419890	- 269444	- 179079	- 125597
1.43	- 479016	- 399725	- 240443	- 149983	- 097985
1.44	- 472508	- 376726	- 310159	- 120359	- 070241
1.45	- 462207	- 351164	- 178883	- 090473	- 042603
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1.47	- 431015	- 293505	- 114524	- 030952	011429
1.48	- 410577	- 262010	- 082015	- 001816	037389
1.49	- 387251	- 229151	- 049662	026587	062373
1.50	- 361309	- 195245	017731	.054038	£86195

 $W_{IO}(x, r)$ 

X	ì	l.i	1.25	1.5	2.0
· 150	3966	5121	3308	0886	- 4465
151	4229	5007	2904	- 1304	- 4528
152	4459	.4867	2495	- 1700	- 4560
153	4456	.4691	2077	- 2070	- 4553
154	4788	.4480	1653	- 2413	- 4509
155	.4886	A238	1228	- 2725	- 4428
156	.4940	3967	.0805	- 3006	- 4312
157	.4951	3670	.0387	- 3254	- 4163
158	.4950	3352	0022	- 3467	- 3984
159	.4848	3014	0419	- 3645	- 3776
1.60	4738	2661	- 0801	- 3788	- 3543
1.61	4591	2296	- 1165	- 3895	- 3287
1.62	4410	1922	- 1509	- 3966	- 3010
1.63	4198	1543	- 1831	- 4002	- 2716
1.64	3956	1162	- 2128	- 4004	- 2408
1.65	3688	0782	- 2398	- 3972	- 2088
1.66	3397	0407	- 2641	- 3908	- 1760
1.67	3085	0039	- 2854	- 3812	- 1427
1.68	2757	- 0318	- 3038	- 3688	- 1091
1.69	2416	- 0663	- 3191	- 3537	- 0755
1.70	2063	- 0998	- 3312	- 3360	- 0423
1.71	1704	- 1303	- 3403	- 3160	- 0097
1.72	1341	- 1594	- 3462	- 2940	.0221
1.73	.0977	- 1863	- 3490	- 2701	.0529
1.74	.0616	- 2109	- 3489	- 2447	.0822
1.75	.0260	- 2331	- 3458	- 2179	1101
1.76	0088	- 2526	- 3399	- 1901	1363
1.77	0485	- 2694	- 3314	- 1615	1605
1.78	0749	- 2835	- 3203	- 1324	1828
1.79	1057	- 2948	- 3069	- 1030	2029
1.80 1.81 1.82 1.83 1.84	- 1345 - 1614 - 1967 - 2289	- 3031 - 3086 - 3113 - 3116 - 3093	- 2911 - 2734 - 2539 - 2330 - 2107	- 0737 - 0446 - 0159 0120 0391	2205 2357 2456 2592 2673
185	- 2466	- 3044	- 1874	0650	2730
186	- 2617	- 2971	- 1631	0896	2762
187	- 2742	- 2876	- 1382	1138	2771
188	- 2840	- 2759	- 1189	1344	2755
189	- 2911	- 2622	- 0873	1542	2718
190 191 192 193 194	- 2955 - 2955 - 29657 - 2988	- 2468 - 2297 - 3118 - 1915 - 1707	0618 0364 0116 .0127 .0362	1721 1881 2035 2237	2659 2579 2464 2351
1.95	- 2805	- 1491	0586	2312	2083
1.96	- 2706	- 1269	0800	2367	1922
1.97	- 2587	- 1043	1000	2400	1725
1.98	- 2450	- 0814	1186	2411	1568
1.99	- 2297	- 0586	1357	2403	1378
2.00	- 2129	0359	1511	2374	1182
2.01	- 1948	0136	1649	2327	0983
2.03	- 1756	.0082	1768	2261	0780
2.03	- 1554	.0293	1869	2179	0577
2.04	- 1346	.0495	1952	2080	0375
2,05	- 1132	0688	2016	1967	0176
2,06	- 0915	0869	2061	1841	- 0019
2,07	- 0697	1037	2088	1703	- 0208
2,08	- 0479	1192	2096	1555	- 0389
2,09	- 0264	1332	2087	1399	- 0563
210 211 213 214	- 0052 0153 01542 0541	1457 1566 1659 1735 1795	2060 2017 1958 1885 1798	1235 1065 10892 10716 10539	- 0726 - 0879 - 1030 - 1148 - 1263
215	0890	1838	1698	0363	- 1364
216	1046	1864	1587	0189	- 1451
217	1188	1873	1466	0019	- 1523
218	1317	1867	1337	- 0147	- 1580
219	1431	1846	1199	- 0306	- 1623
220	1529	1809	1056	- 0459	- 1650
221	1612	1758	0908	- 0603	- 1663
223	1679	1694	0757	- 0738	- 1662
223	1730	1618	0604	- 0863	- 1647
224	1735	1531	0451	- 0976	- 1618
2.25	1784	1433	0298	- 1079	- 1577

 $W_{lO}(x, r)$ 

			110 (4, 17		
X	3.0	4.0	6.0	8.0	10.0
150	- 3613	- 1952	- 0177	0540	0861
151	- 3320	- 1598	0139	0805	1087
152	- 3017	- 1248	0441	1054	1297
153	- 2698	- 0897	0732	1287	1490
154	- 2365	- 0548	1009	1503	1665
155	- 2021	- 0204	1270	1701	1822
156	- 1669	0133	1514	1880	1960
157	- 1314	0460	1738	2076	2077
158	- 1957	0774	1943	2176	2175
159	- 2601	1073	2125	2291	2251
1.60 1.61 1.63 1.63	- 0251 0092 0425 0745 1050	1355 1618 1860 2080 2277	2285 2422 2534 2623 2687	2384 2455 2530 2530 2535	2307 2342 2357 2351 2327
1.65	1338	2450	2728	2518	2283
1.66	16054	2597	2744	2481	2222
1.67	1854	2719	2737	2485	2144
1.68	2080	2815	2708	2349	2050
1.69	2288	2885	2657	2256	1941
170	2459	2929	2585	2147	1820
171	2611	2947	2494	2023	1686
172	2737	2941	2384	1886	1542
173	2836	2910	2258	1737	1389
174	2910	2855	2116	1577	1229
175	2957	2779	1961	1409	1063
176	2978	2681	1794	1233	0893
177	2973	2565	1616	1052	0720
178	2944	2429	1430	0867	0546
179	2892	2278	1238	0681	0372
180	2815	2111	1040	0494	0200
181	2717	1931	0839	0308	0031
182	2599	1741	0637	0125	- 0133
183	2465	1542	0435	- 0055	- 0292
184	2314	1336	0236	- 0228	- 0444
185	2148	1125	.0040	- 0395	- 0589
186	1969	0910	0150	- 0554	- 0724
187	1779	0694	0335	- 0704	- 0849
188	1579	0478	0511	- 0844	- 0964
189	1372	0265	0678	- 0974	- 1068
190	1159	0055	- 0834	- 1091	- 1160
191	0943	- 0149	- 0979	- 1196	- 1240
192	0725	- 0346	- 1113	- 1288	- 1307
193	0507	- 0535	- 1233	- 1367	- 1362
194	0292	- 0714	- 1339	- 1433	- 1404
195	0080	- 0882	- 1431	- 1484	- 1433
196	- 0127	- 1037	- 1509	- 1522	- 1449
197	- 0326	- 1180	- 1572	- 1547	- 1453
198	- 0517	- 1309	- 1621	- 1557	- 1445
199	- 0699	- 1423	- 1654	- 1555	- 1485
200	- 0869	- 1522	- 1673	- 1539	- 1394
201	- 1027	- 1605	- 1677	- 1512	- 1352
202	- 1172	- 1673	- 1667	- 1472	- 1300
203	- 1303	- 1725	- 1644	- 1422	- 1239
204	- 1419	- 1761	- 1608	- 1361	- 1169
2.05	- 1520	- 1782	- 1559	- 1291	- 1091
2.06	- 1606	- 1787	- 1499	- 1212	- 1007
2.07	- 1676	- 1777	- 1429	- 1125	- 0917
2.08	- 1730	- 1752	- 1348	- 1031	- 0822
2.09	- 1767	- 1714	- 1258	- 0932	- 0723
210	- 1789	- 1663	- 1161	- 0827	0620
211	- 1796	- 1599	- 1057	- 0719	0516
212	- 1787	- 1524	- 0947	- 0608	0410
213	- 1764	- 1438	- 0832	- 0495	0304
214	- 1726	- 1343	- 0714	- 0381	0198
215	- 1676	- 1239	- 0593	- 0268	- 0094
216	- 1613	- 1128	- 0471	- 0155	.0008
217	- 1538	- 1011	- 0348	- 0045	.0107
218	- 1452	- 0889	- 0227	- 0063	.0203
219	- 1357	- 0763	- 0106	- 0167	.0293
220 221 222 223 223 224	- 1254 - 1143 - 1025 - 0903 - 0776	- 0634 - 0504 - 0573 - 0243 - 0115	0011 0125 0235 0340 0438	0267 0362 0450 0533 0609	.0379 .0459 .0533 .0600 .0661
2.25	0647	£010	.0531	.0677	.0714

W10(x, r)

X	1	1,1	1.25	1.5	2.0
2.25	1784	1433	.0298	- 1079 - 1169	- 1577 - 1524
2.26 2.27 2.28 2.29	1787 1776 1750 1710	1326 1211 1009 0962	.0147 0001 0145 0383	- 1247 - 1312 - 1365	- 1460 - 1385 - 1301
230 231 232 233 234	1657 1591 1514 1426 1389	.0830 .0695 .0559 .0422 .0285	0415 0539 0654 0761 0858	- 1404 - 1431 - 1443 - 1444 - 1438	- 1808 - 1109 - 1002 - 2890 - 2774
567 5555 5555 5555 5555 5555 5555 5555	1224 1113 0994 0871	.0150 .0017 0111 0235 0353	0945 - 1023 - 1089 - 1188	- 1409 - 1376 - 1378 - 1278 - 1214	- 0656 - 0535 - 0414 - 0292 - 0172
2.40 2.41 2.42 2.43 2.44	0615 .0485 .0354 .0224 .0096	0465 0570 0667 0756 0835	- 1221 - 1243 - 1254 - 1255 - 1243	- 1143 - 1064 - 0978 - 0887 - 0791	0054 .0068 .0173 .0280
2.45 2.46 2.47 2.48 2.49	0029 01507 0278 0482	- 0906 - 0966 - 1017 - 1058 - 1089	- 1222 - 1192 - 1152 - 1104 - 1048	- 0691 - 0589 - 0484 - 0378 - 0273	.0476 .0564 .0645 .0718 .0783
01034 55555 88888	- 0579 - 0669 - 0750 - 0883 - 0887	- 1109 - 1120 - 1121 - 1113 - 1098	- 0985 - 0916 - 0841 - 0761 - 0677	- 2168 - 2065 2036 2134 2827	.0840 .0888 .0927 .0957 .0978
5567 2557 2559 2559	0941 0986 - 1022 - 1047 - 1064	- 1069 - 1035 - 0993 - 0944 - 0889	- 0590 - 0500 - 0409 - 0317 - 0225	.0316 .0400 .0478 .0549 .0614	0991 0994 0990 0977 0956
2.60 2.61 2.62 2.63 2.64	- 1070 - 1068 - 1057 - 1037 - 1009	- 0827 - 0761 - 0690 - 0615 - 0538	- 0134 - 0044 - 0043 - 0127 - 0208	0678 .0723 .0766 .0801 .0829	.0928 .0893 .0852 .0804 .0752
2.65 2.65 2.67 2.68 2.69	- 0974 - 0931 - 0882 - 0887 - 0766	0458 0376 0294 0212 0130	0285 0357 0484 0486 0541	0848 0860 0865 0862 0852	0694 0633 0568 0500 0429
2.70 2.71 2.72 2.73 2.74	- 0701 - 0632 - 0560 - 0485 - 0408	- 0050 0028 0104 0177 0246	0591 0634 0670 0700 0723	.0836 .0812 .0783 .0748 .0707	.0358 .0385 .0312 .0140 .0068
2.75 2.76 2.77 2.78 2.79	- 2330 - 2252 - 2173 - 2096 - 2020	.0311 .0372 .0427 .0477 .0522	.0740 .0749 .0753 .0749	0662 0613 0560 0503	0002 0070 0135 0197 0856
2.80 2.81 2.82 2.83 2.84	0054 0125 0123 0257 0318	0561 0594 0622 0643 0658	.0723 .0702 .0676 .0645 .0609	0384 0322 0359 0195 0133	- 0311 - 0361 - 0407 - 0449 - 0485
285 286 287 288 289	.0374 .0425 .0471 .0512 .0548	.0668 .0672 .0669 .0662 .0649	.0570 .0586 .0480 .0431	0070 0009 - 0051 - 0108 - 0163	- 0517 - 0543 - 0563 - 0579 - 0589
290 291 292 293 294	0577 0602 0620 0632 0639	0631 0608 0581 0549 0514	.0327 .0272 .0218 .0162 .0108	0214 0263 0307 0348 0385	- 0594 - 0594 - 0589 - 0579 - 0564
295 296 297 298 299	0641 0637 0628 0613 0594	Ω476 Ω435 Ω391 Ω345 Ω298	.0054 .0001 0051 0100 0148	- 0418 - 0446 - 0469 - 0488 - 0502	- 0545 - 0522 - 0496 - 0466 - 0433
3.00	.0571	.0850	0192	- 0512	0397
				<u> </u>	<u></u>

 $W_{10}(x, r)$ 

X	3.0	4.0	6.0	8.0	10.0
235 236 237 237 237 237 237	- 0647 - 0516 - 0385 - 0254 - 0125	.0010 .0132 .0249 .0360 .0466	0531 0616 0693 0763 0824	0677 0738 0791 0835 0872	.0714 .0760 .0797 .0828 .0850
230	0001	0564	1876	.0900	D865
231	0123	0654	1920	.0920	D872
232	0241	0736	1954	.0931	D871
233	0353	0810	1978	.0933	D863
234	0459	0874	19994	.0933	D848
235	0558	0930	1002	0917	D827
236	0649	0976	1002	0897	D799
237	0733	1013	0993	0871	D766
238	0808	1040	0976	0838	D727
239	0874	1058	0951	0800	D684
2.40 2.41 2.43 2.43 2.44	0930 0978 1015 1043 1062	1067 1066 1056 1038 1012	0919 0881 0836 0786 0780	2756 2706 2653 2653 2595 2534	0636 0584 0589 0471 0410
2.45	1071	0978	D670	.0471	Q348
2.46	1071	0937	.0606	.0405	Q285
2.47	1062	0889	.0539	.0338	Q222
2.48	1044	0835	.0470	.0270	Q158
2.49	1019	0776	.0398	.0202	Q095
2.50	.0985	D712	0325	0134	0033
2.51	.0944	D644	0252	0067	- 0027
2.52	.0896	D573	0179	0002	- 0085
2.53	.0843	D499	0106	- 0062	- 0141
2.54	.0784	D423	0035	- 0123	- 0195
3.55	.0720	.0345	- 0035	~ 0182	- 0244
2.56	.0651	.0267	- 0102	- 0237	- 0291
2.57	.0580	.0189	- 0166	- 0288	- 0334
2.58	.0505	.0112	- 0227	- 0336	- 0372
2.59	.0429	.0036	- 0285	- 0379	- 0406
2.60	0351	- 0038	- 0338	- 0418	- 0436
2.61	0273	- 0110	- 0387	- 0453	- 0462
2.62	0194	- 0178	- 0431	- 0482	- 0483
2.63	0117	- 0243	- 0470	- 0507	- 0499
2.64	0040	- 0304	- 0505	- 0527	- 0510
265	- 0034	- 0361	- 0534	- 0541	- 0517
266	- 0106	- 0413	- 0557	- 0551	- 0519
267	- 0175	- 0460	- 0576	- 0556	- 0517
268	- 0241	- 0502	- 0589	- 0556	- 0511
269	- 0303	- 0538	- 0596	- 0551	- 0501
2.70	- 0360	- 0569	- 0599	- 0542	- 0486
2.71	- 0413	- 0594	- 0596	- 0529	- 0468
2.72	- 0460	- 0614	- 0589	- 0511	- 0447
2.73	- 0502	- 0627	- 0576	- 0490	- 0422
2.74	- 0539	- 0635	- 0560	- 0466	- 0395
2.75 2.76 2.77 2.78 2.79	- 0571 - 0596 - 0616 - 0630 - 0638	- 0638 - 0635 - 0627 - 0613 - 0595	- 0539 - 0514 - 0485 - 0454 - 0419	- 0438 - 0407 - 0374 - 0338 - 0301	- 9365 - 9333 - 9864 - 9828
2.80	- 0640	- 0572	- 0382	- 0262	- 0190
2.81	- 0637	- 0546	- 0343	- 0223	- 0152
2.82	- 0630	- 0516	- 0302	- 0183	- 0114
2.83	- 0617	- 0482	- 0260	- 0142	- 0077
2.84	- 0599	- 0445	- 0217	- 0101	- 0039
285 286 287 288 289	- 0577 - 0550 - 0586 - 0450	- 0406 - 0364 - 0321 - 0276 - 0230	- 0173 - 0129 - 0086 - 0043 - 0001	- 0061 - 0021 - 0017 - 0055 - 0090	- 0003 0033 0067 0100 0130
290	- 0410	- 0183	0040	D124	0159
291	- 0368	- 0137	0080	D156	0186
292	- 0325	- 0090	0117	D186	0210
293	- 0280	- 0044	0153	D213	0232
294	- 0233	0000	0186	D238	0251
295	- 0187	0044	0216	0260	0268
396	- 0140	0086	0244	0279	0282
297	- 0093	0126	0269	0295	0293
298	- 0047	0164	0291	0309	0301
299	- 0002	0199	0310	0319	0307
3.00	.0042	.0231	D386	£326	£310

 $W_{10}(x, r)$ 

X	1	1.1	1.25	1.5	2.0
3.00	.0571	.0250	0192	0512	0397
3.01	.0543	.0201	0834	0517	0359
3.08	.0512	.0152	0273	0517	0319
3.03	.0478	.0103	0308	0514	0278
3.04	.0440	.0054	0339	0506	0236
3.05 3.06 3.07 3.08 3.09	0400 0357 .0313 .0268 .0281	.0007 0040 0084 0127 0167	- 0367 - 0391 - 0411 - 0427 - 0438	0494 0478 0458 0436 0410	0192 0149 0162 0020
310 311 312 313 314	0174 0127 0081 0035 - 0010	0205 0271 0300 0325	- 0446 - 0450 - 0450 - 0446 - 0439	- 0382 - 0319 - 0284 - 0248	.0023 .0063 .0160 .0136 .0170
315	0054	0347	0428	- 0211	0802
316	0096	0365	0414	- 0174	.0231
317	0135	0380	0396	- 0136	.0237
318	0173	0391	0376	- 0098	.0281
319	0208	0398	0354	- 0060	.0301
320 321 322 323 324	- 0240 - 0269 - 0295 - 0318 - 0337	0402 0403 0399 0393 0383	0329 0302 0273 0243	0023 .0013 .0048 .0081 .0113	.0318 .0332 .0343 .0350 .0354
325	- 0353	- 0371	0179	.0143	0356
326	- 0366	- 0356	0147	.0171	0354
327	- 0375	- 0339	0114	.0197	0350
328	- 0381	- 0319	0081	.0220	0342
329	- 0384	- 0297	0048	.0241	0332
330	0383	0273	0016	0859	0320
331	0379	0847	.0015	.0274	0305
332	0378	0821	.0045	.0287	0288
333	0362	0193	.0074	.0297	0269
334	0349	0164	.0102	.0304	0249
335	- 0334	0135	.0128	0308	0227
336	- 0316	0106	.0152	0310	0203
337	- 0375	0076	.0174	0309	0179
338	- 0275	0047	.0194	0305	0154
339	- 0252	0018	.0218	0309	0128
3.40	- 0227	.0010	.0227	0291	0102
3.41	- 0201	.0037	.0240	0281	0076
3.42	- 0174	.0063	.0251	0268	0050
3.43	- 0147	.0088	.0259	0253	0024
3.44	- 0119	.0111	.0265	0237	- 0001
3.45 3.46 3.47 3.48 3.49	0090 0062 0035 0007	0133 0153 0171 0187 0201	.0.26.9 .0.26.5 .0.26.5 .0.26.0	0220 0201 0181 0159 0138	- 0025 - 0048 - 0071 - 0092 - 0112
3.50	0045	.0213	.0 25 2	0115	0130
3.51	0069	.0223	.0 24 3	0093	0146
3.52	0092	.0231	.0 24 3	0070	0161
3.53	0114	.0237	.0 21 9	0047	0174
3.54	0134	.0240	.0 20 5	0025	0186
3.55	0153	.0241	0189	0003	- 0195
3.56	0169	.0240	0172	- 0018	- 0202
3.57	0184	.0238	0155	- 0039	- 0208
3.58	0197	.0233	0136	- 0058	- 0212
3.59	0207	.0227	0117	- 0077	- 0213
3.60	0816	0818	0098	0094	0213
3.61	0883	0809	0078	0110	0211
3.62	0887	0197	0058	0125	0208
3.63	0830	0185	0039	0138	0203
3.64	0830	0171	0019	0150	0196
3.65	Q229	0156	0000	0160	0188
3.66	Q225	0140	- 0018	0169	0178
3.67	Q220	0184	- 0036	0175	0167
3.68	Q213	0107	- 0053	0180	0155
3.69	Q205	0090	- 0069	0184	0143
3.70	0195	0072	- 0084	- 0186	0129
3.71	0184	0055	- 0098	- 0186	0115
3.78	0172	0037	- 0111	- 0184	0100
3.73	0158	0019	- 0122	- 0182	0085
3.74	0144	0002	- 0132	- 0177	0069
3.75	.0138	0014	0140	- 0173	0053

 $W_{10}(x, r)$ 

$W_{io}(x, r)$					
X	3.0	4.0	6.0	8.0	10.0
3.00	0042	0231	0326	0326	0310
3.01	0084	0261	0339	0331	0310
3.02	0125	0288	0348	0332	0307
3.03	0163	0311	0354	0331	0302
3.04	0198	0331	0357	0327	0302
3.05 3.06 3.07 3.08 3.09	0231 0261 0288 0312 0332	.0348 .0361 .0371 .0378	.0357 .0354 .0348 .0340 .0328	.0320 .0311 .0299 .0286 .0270	0285 0273 0260 0244 0227
310	Q349	0381	0315	.0252	0209
311	Q363	0378	0299	.0233	0189
512	Q373	0371	0281	.0213	0168
513	Q380	0362	0261	.0191	0147
514	Q383	0350	0240	.0168	0125
315	0383	.0335	0217	0145	.0102
316	0380	.0318	0193	0121	.0080
317	0374	.0299	0168	0097	.0057
318	0365	.0278	0142	0072	.0034
319	0353	.0255	0117	0048	.0012
320	0338	0231	0090	0024	- 0009
321	0321	0205	0064	0001	- 0030
322	0302	0179	0036	- 0022	- 0050
323	0280	0151	0013	- 0044	- 0069
324	0257	0124	- 0012	- 0064	- 0087
325 326 327 328 329	0233 0207 0181 0153 0126	0096 0068 0040 0013	- 0036 - 0059 - 0081 - 0101 - 0121	- 0084 - 0103 - 0120 - 0135 - 0149	- 0104 - 0119 - 0133 - 0145 - 0156
3.30	0098	- £039	- 0138	- 0162	- 0165
3.31	0070	- £064	- 0154	- 0172	- 0172
3.32	0042	- £087	- 0168	- 0181	- 0178
3.33	0014	- £109	- 0180	- 0188	- 0182
3.34	- 0013	- £129	- 0191	- 0193	- 0185
3.35	- 0038	- 0148	- 0199	- 0197	- 0185
3.36	- 0063	- 0164	- 0206	- 0199	- 0185
3.37	- 0086	- 0179	- 0210	- 0199	- 0182
3.38	- 0108	- 0198	- 0213	- 0197	- 0179
3.39	- 0129	- 0204	- 0214	- 0194	- 0174
3.40 3.41 3.42 3.43 3.44	- 0148 - 0165 - 0180 - 0193 - 0204	- 0213 - 0224 - 0227 - 0228	- 0213 - 0210 - 0206 - 0200 - 0193	- 0189 - 0183 - 0175 - 0166 - 0156	0167 0160 0151 0141 0130
345	- 0213	- 0227	- 0184	- 0145	- 0119
346	- 0221	- 0224	- 0174	- 0134	- 0107
347	- 0226	- 0220	- 0162	- 0121	- 0094
348	- 0229	- 0213	- 0150	- 0108	- 0081
349	- 0230	- 0205	- 0137	- 0094	- 0068
3.50 3.51 3.52 3.53 3.54	- 0229 - 0226 - 0221 - 0215 - 0207	- 0196 - 0185 - 0173 - 0160 - 0145	- 0123 - 0108 - 0093 - 0078 - 0062	- 0080 - 0051 - 0056 - 0056	- 0054 - 0041 - 0027 - 0014 - 0001
3.5.5	- 0197	- £130	- 0046	- 0007	2012
3.5.6	- 0187	- £115	- 0031	0006	2024
3.5.7	- 0174	- £199	- 0015	0020	2036
3.5.8	- 0161	- £082	- 0000	0033	2047
3.5.9	- 0147	- £066	- 0015	0045	2057
3.60 3.61 3.62 3.63 3.64	- 0132 - 0116 - 0100 - 0084 - 0067	- 0049 - 0032 - 0016 - 0016	0029 0042 0055 0067 0078	0056 0067 0077 0086 0093	0067 0076 0083 0090 0096
3.65	- 0050	0031	0088	0100	0101
3.66	- 0033	0045	0097	0106	0105
3.67	- 0017	0059	0105	0111	0108
3.68	0000	0072	0112	0115	0110
3.69	0015	0083	0117	0117	0111
3.70	2030	0094	0122	0119	0111
3.71	2045	0103	0125	0119	0110
3.72	2059	0112	0127	0119	0109
3.73	2071	0119	0128	0117	0106
3.74	2083	0125	0128	0115	0102
3.75	.0094	.0130	.0127	.0112	8 6 0 0

W <sub>IO</sub> (x, r)						
X	. 1	1.1	1.25	1.5	2.0	
3.75 3.76 3.77 3.78 3.79	.0128 .0112 .0096 .0079 .0063	0014 0030 0045 0060 0073	0140 0147 0153 0157 0160	- 0172 - 0165 - 0167 - 0147 - 0137	- 0053 - 0038 - 0022 - 0008	
3.80 3.81 3.82 3.83 3.84	.0046 .0029 .0013 0004 0019	0086 0097 0107 0116 0124	- 0161 - 0161 - 0160 - 0157 - 0153	0126 0114 0102 0089 0076	.0022 .0036 .0049 .0061	
3.85 3.86 3.87 3.88 3.89	0034 0048 0062 0074 0086	0131 0136 0140 0143 0144	0148 0143 0135 0127 0118	0062 0049 0035 0022 0008	.0083 .0092 .0101 .0108	
390 391 392 393 394	- 0096 - 0106 - 0114 - 0131 - 0137	0144 0143 0138 0133	- 0108 - 0098 - 0087 - 0076 - 0064	0005 0017 0029 0041 0051	0119 0123 0126 0127 0128	
395 396 397 398 399	0131 0135 0137 0138 0138	0128 0123 0114 0107 0098	0053 0041 0039 0017 0006	.0061 .0071 .0079 .0086 .0093	0127 0126 0123 0119 0115	
4,00 4,01 4,02 4,03 4,04	- 0136 - 0134 - 0130 - 0125 - 0120	- 0089 - 0079 - 0069 - 0059 - 0049	.0005 .0016 .0027 .0037	0099 0103 0107 0109 0111	0110 0103 0097 0089 0081	
4.05 4.06 4.07 4.08 4.09	0114 0107 0099 0090 0082	- 0038 - 0027 - 0017 - 0007	0055 0062 0070 0076	0111 0111 0110 0108 0105	Q073 Q064 Q055 Q046 Q037	
410 411 418 413 414	0072 0063 0053 0043 0032	.0013 .0023 .0032 .0032 .0040	0086 0090 0093 0095	0101 0096 0091 0085	.0027 .0018 .0009 .0000	
415 416 417 418 419	- 0022 - 0012 - 0003 - 0007 - 0016	0055 0061 0067 0078 0077	.0097 .0096 .0095 .0093	0072 0065 0057 0049 0041	0017 0025 0033 0040 0047	
420 421 422 423 424	.0025 .0033 .0041 .0048 .0055	0080 0083 0085 0086	.0087 .0083 .0079 .0074	0033 0025 0027 0009 0001	0053 0058 0063 0067 0070	
425 426 427 428 429	.0061 .0066 .0071 .0074	0086 0085 .0084 .0081 .0078	.0062 .0056 .0049 .0042	0007 0014 0031 0038 0034	- 0073 - 0075 - 0076 - 0077 - 0076	
430 431 438 433 434	080 880 083 0083	0075 0071 .0066 .0061	0028 0021 0014 0007 0000	- 0040 - 0045 - 0050 - 0054 - 0057	0076 0075 0073 0070 0067	
435 436 437 438 439	0081 0079 0077 0074 0070	0050 0045 0038 0032 0086	- 0007 - 0013 - 0019 - 0025 - 0030	- 2060 - 2063 - 2065 - 2066 - 2067	0064 0060 0056 0051 0046	
4,40 4,41 4,42 4,43 4,44	0066 0062 0057 0052 0046	0000 0013 0007 0001 - 0005	- 0035 - 0040 - 0044 - 0047 - 0050	- 2067 - 2065 - 2065 - 2064 - 2068	0041 0036 0030 0025 0019	
4,45 4,46 4,47 4,48 4,49	0040 0035 0029 0025 0016	- 0011 - 0016 - 0081 - 0086 - 0031	- 0053 - 0055 - 0056 - 0057 - 0058	- 0059 - 0056 - 0053 - 0049 - 0045	0014 0008 0003 .0003 .0008	
4.50	.0010	0035	- 2058	- 0041	.0013	

 $W_{IO}(x, r)$ 

3.0
3.76
381
Since   Dilate   Dilot   Dil
3.91
3.96
3.99 0.035 - 0.014 - 0.050 - 0.058 - 0.059
4.00
4.05    0023    0059    0074    0071    0066       4.06    0031    0065    0071    0069       4.08    0046    0073    0077    0070    0062       4.09    0053    0076    0077    0068    0060
410 - 0059 - 0079 - 0076 - 0066 - 0057 411 - 0065 - 0081 - 0074 - 0063 - 0054 412 - 0069 - 0082 - 0072 - 0060 - 0051 413 - 0077 - 0082 - 0069 - 0056 - 0047 414 - 0077 - 0082 - 0066 - 0052
415 - 0079 - 0081 - 0062 - 0048 - 0038 416 - 0081 - 0079 - 0058 - 0043 - 0034 417 - 0082 - 0077 - 0054 - 0039 - 0029 418 - 0083 - 0074 - 0049 - 0034 - 0024 419 - 0082 - 0070 - 0044 - 0029
420     - 0081     - 0062     - 0039     - 0023     - 0015       421     - 0077     - 0062     - 0033     - 0018     - 0010       422     - 0077     - 0057     - 0028     - 0013     - 0005       423     - 0074     - 0052     - 0022     - 0008     - 0000       424     - 0071     - 0047     - 0017     - 0003     0004
4.25    0067    0041    0011     .0002     .0009       4.26    0063    0036    0005     .0007     .013       4.27    0058    0030     .000     .0012     .0017       4.28    0053    0024     .0005     .0016     .0021       4.29    0047    0018     .0010     .0020     .0024
430 - 0042 - 0012 0015 0027 0030 433 - 0028 0031 0035 0036 0036
4.350012
4.40
4.45
4.50 0.048 0.036 0.027 0.022

 $W_{10}(x, r)$ 

W <sub>10</sub> (x, r)						
X	1	1.1	1.25	1.5	2.0	
450 451 452 453 454	0010 0005 - 0001 - 0007 - 0012	0035 0039 0042 0045 0047	0058 0057 0057 0055 0053	0041 0037 0032 0027 0022	0013 0018 0028 0026 0030	
4.55 4.56 4.57 4.58 4.59	- 0017 - 0022 - 0027 - 0031 - 0035	0049 0050 0051 0052	0051 0049 0046 0042 0039	- 0018 - 0003 - 0003	0033 0036 0039 0041 0043	
4.50 4.51 4.52 4.63 4.64	0038 0041 0044 0046 0047	0051 0051 0049 0048 0046	- 0035 - 0031 - 0027 - 0023 - 0019	0006 0010 0015 0018 0022	.0044 .0045 .0046 .0046	
4.65 4.66 4.67 4.68 4.69	0048 0049 0050 0049 0049	- 0044 - 0041 - 0035 - 0038	- 0015 - 0010 - 0006 - + - 0002	0025 0028 0031 0033 0035	.0045 .0044 .0043 .0041 .0039	
470 471 472 473 474	0048 0047 0045 0043 0041	0028 0025 0021 0017	0006 0010 0013 0016 0020	0037 0038 0039 0040 0040	0037 .0035 .0032 .0029 .0026	
4.75 4.76 4.77 4.78 4.79	- 0038 - 0035 - 0032 - 0029 - 0026	- 0010 - 0006 - 0002 0001	0022 0025 0027 0029 0031	.0 0 4 0 .0 0 3 9 .0 0 3 8 .0 0 3 6	0023 0020 0017 0013	
4.80 4.81 4.83 4.83 4.84	- 0022 - 0019 - 0015 - 0012 - 0008	.0008 .0011 .0014 .0017	.0032 .0033 .0034 .0035 .0035	0035 0033 0031 0028 0026	.0006 .0003 .0000 0003 0006	
4.85 4.86 4.87 4.88 4.89	- 0004 - 0001 0002 0006 0009	0022 0024 0026 0027 0029	0035 .0034 .0033 .0033 .0031	.0023 .0021 .0018 .0015 .0012	0009 0012 0014 0017 0019	
490 491 492 493 494	.0012 .0015 .0017 .0020 .0022	0030 0030 0031 0031 0031	0030 0028 0026 0024 0022	0000 0000 0000 0000 0000	- 0021 - 0022 - 0024 - 0025 - 0026	
4.95 4.96 4.97 4.98 4.99	0024 0025 0027 0028 0029	0031 0030 0029 0028 0027	0020 0018 0015 0013 0010	- 2005 - 2008 - 2010 - 2013 - 2014	- 0027 - 0027 - 0027 - 0027 - 0027	
5.00	.0029	.0025	800Q	- 2016	- 2027	
					•	

 $W_{in}(x, r)$ 

$W_{l0}(x, r)$							
X	3.0	4.0	6.0	8.0	0.01		
4.50 4.51 4.52 4.53 4.54	0048 0049 0049 0049 0049	2048 2047 2045 2043 2041	0036 0034 0031 0028 0025	0027 0025 0022 0019 0016	0022 0019 0016 0013		
4.55 4.56 4.57 4.58 4.59	2048 2047 2045 2044 2041	0036 0036 0036 0039	0022 0018 0015 0012 0008	2012 .0009 .0006 .0003 .0000	0007 0004 0008 - 0001 - 0004		
4.60 4.61 4.62 4.63 4.64	039 0036 0033 0030 0030	Q023 Q020 Q016 Q012 Q009	0005 0002 - 0005 - 0008	- 0003 - 0006 - 0008 - 0011 - 0013	- £007 - £009 - £011 - £013 - £015		
4.65 4.66 4.67 4.68 4.69	0023 0020 0016 0013 0009	005 0008 - 0005 - 0008	- 0010 - 0013 - 0016 - 0018 - 0020	- 0015 - 0017 - 0019 - 0021 - 0022	- 0017 - 0019 - 0020 - 0021 - 0022		
470 471 472 473 474	0005 0002 - 0005 - 0008	- 0011 - 0014 - 0017 - 0019 - 0021	- 0022 - 0025 - 0026 - 0027	- 0023 - 0024 - 0025 - 0026	- 0023 - 0023 - 0024 - 0024 - 0024		
4.75 4.76 4.77 4.78 4.79	- 0011 - 0014 - 0017 - 0019 - 0021	~ 0023 ~ 0025 ~ 0026 ~ 0027 ~ 0028	- 2027 - 2027 - 2028 - 2027 - 2002	- 0026 - 0025 - 0025 - 0024 - 0024	- 0024 - 0023 - 0022 - 0022 - 0021		
4.80 4.81 4.82 4.83 4.84	- 0023 - 0025 - 0027 - 0028	- 0029 - 0029 - 0029 - 0029	- 0027 - 0026 - 0025 - 0024 - 0022	- 0023 - 0021 - 0020 - 0019 - 0017	- 0019 - 0018 - 0017 - 0015 - 0014		
4.85 4.86 4.87 4.88 4.89	- Q000 - Q000 - Q000 - Q000 - Q000	- 0028 - 0027 - 0026 - 0025 - 0024	- 0021 - 0019 - 0018 - 0016 - 0014	- 0016 - 0014 - 0012 - 0010 - 0008	- 0012 - 0010 - 0009 - 0007 - 0005		
490 491 492 493 494	- 9028 - 9028 - 9025 - 9024	- 0022 - 0021 - 0019 - 0017 - 0015	- 0012 - 0010 - 0008 - 0006 - 0004	- 0007 - 0005 - 0003 - 0001 - 0001	- 0004 - 0002 - 0000 - 0002		
495 496 497 498 499	- 0032 - 0031 - 0019 - 0017 - 0015	0013 0011 0008 0006 0004	- 0002 0000 0002 0004 0005	0003 0004 0006 0007 0009	Q0 04 Q0 06 Q0 07 Q0 08 Q0 09		
5.00	- 0013	2000	.0007	0100	.0011		

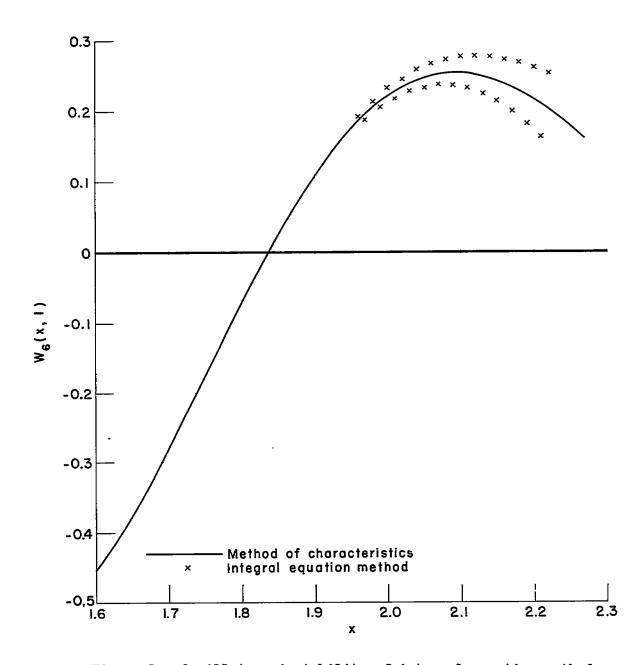


Figure 1.- Oscillatory instability of integral-equation method.

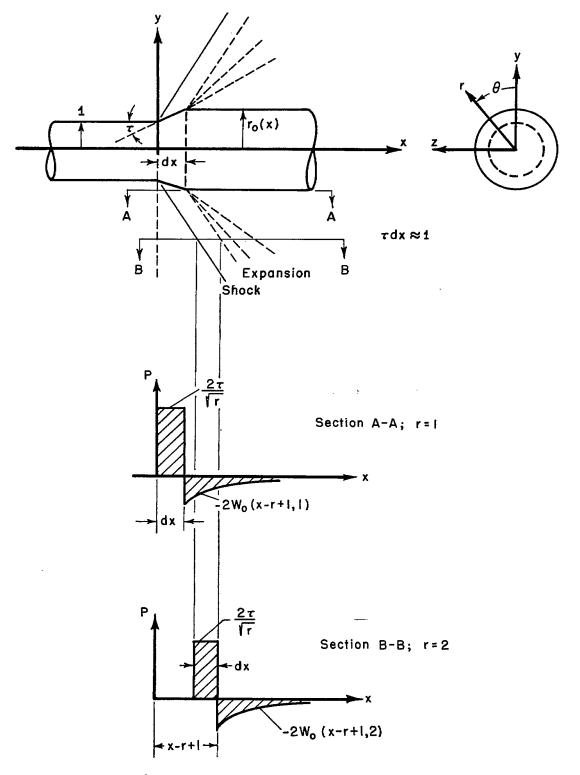


Figure 2.- Physical significance of  $W_{O}(x,r)$  function;  $a=1,\ \beta=1$ 

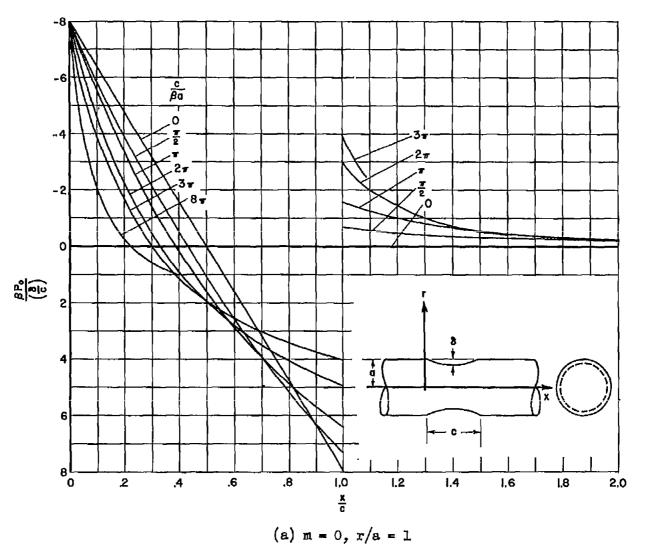
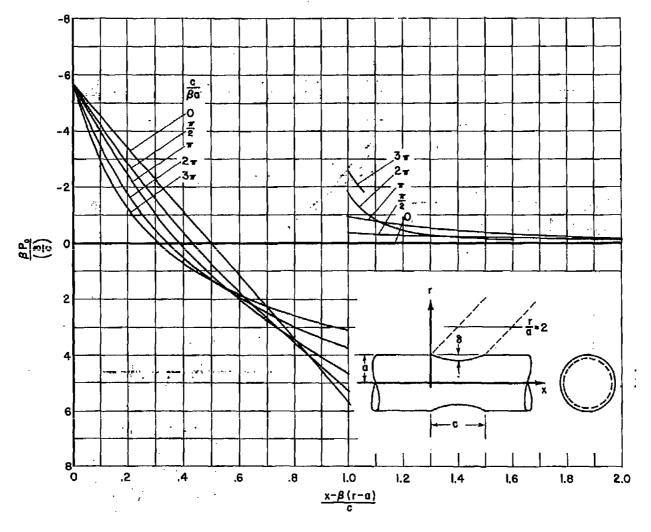


Figure 3.- Pressure distribution due to body with concave indentation.



(b) m = 0, r/a = 2

Figure 3.- Continued.

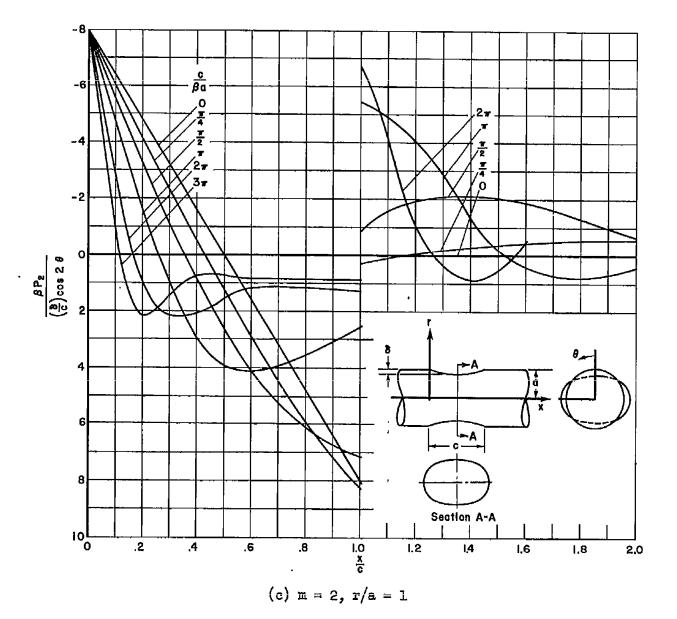
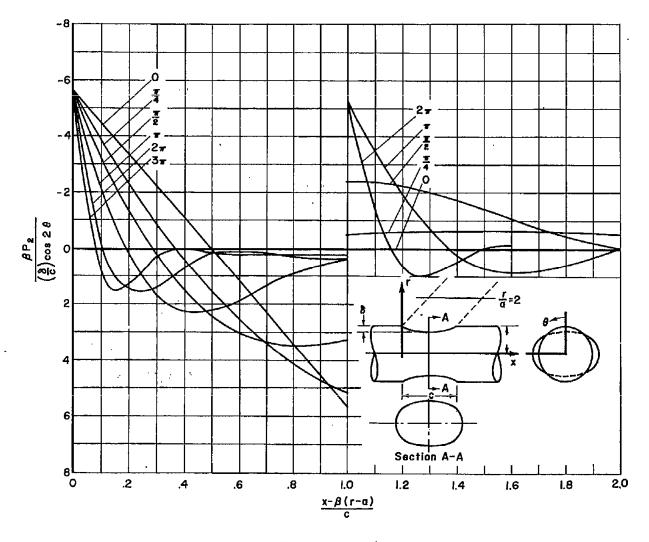


Figure 3.- Continued.



(d) m = 2, r/a = 2

Figure 3.- Concluded.

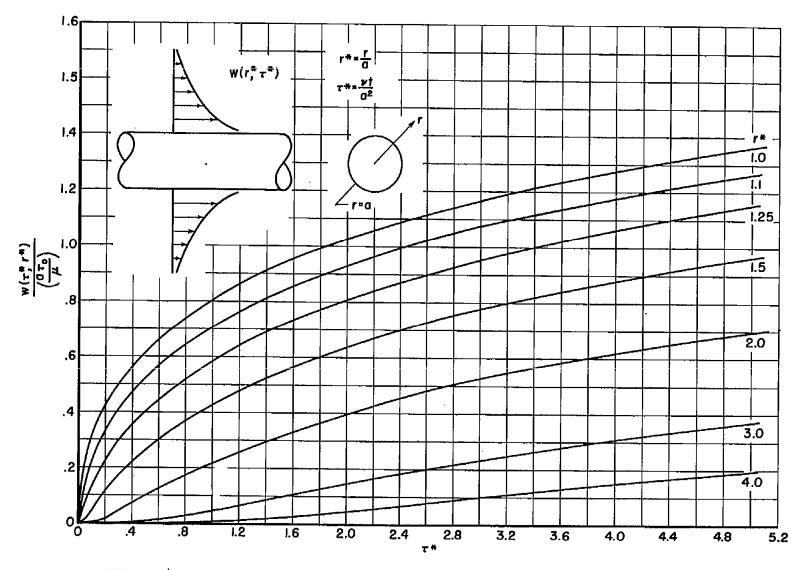


Figure 4.- Fluid velocity variation with time for infinite circular cylinder.

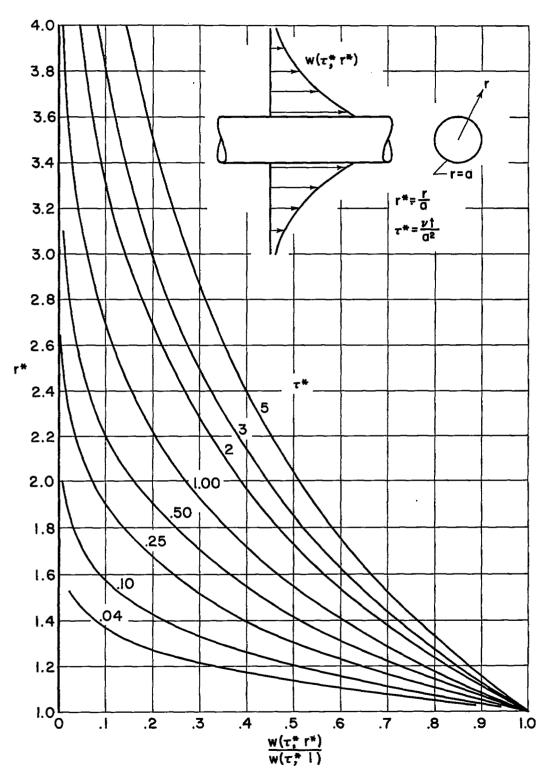


Figure 5.- Velocity profiles for infinite circular cylinder.

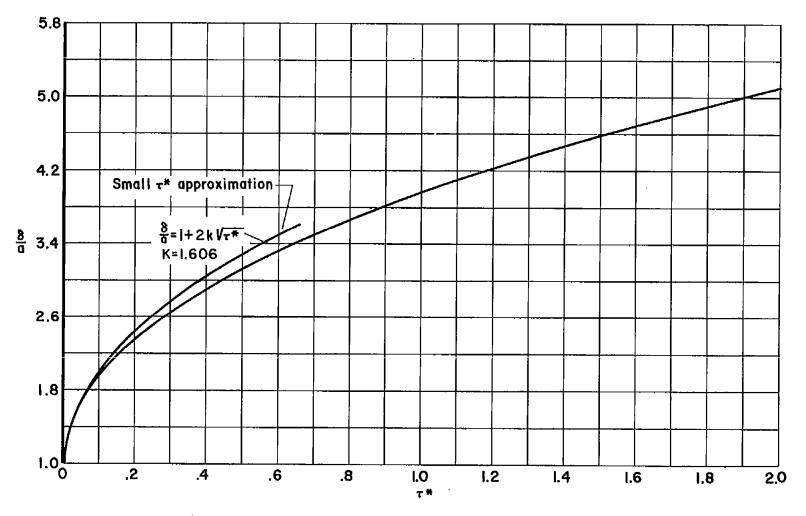


Figure 6.- Boundary-layer thickness for infinite circular cylinder.

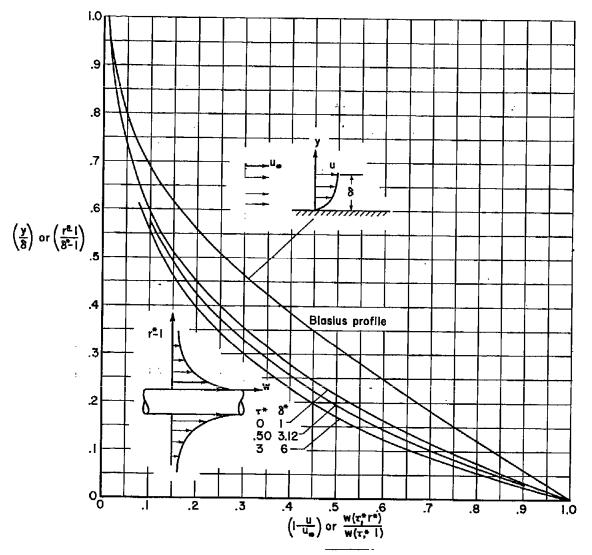


Figure 7.- Dimensionless velocity profiles for infinite circular cylinder.

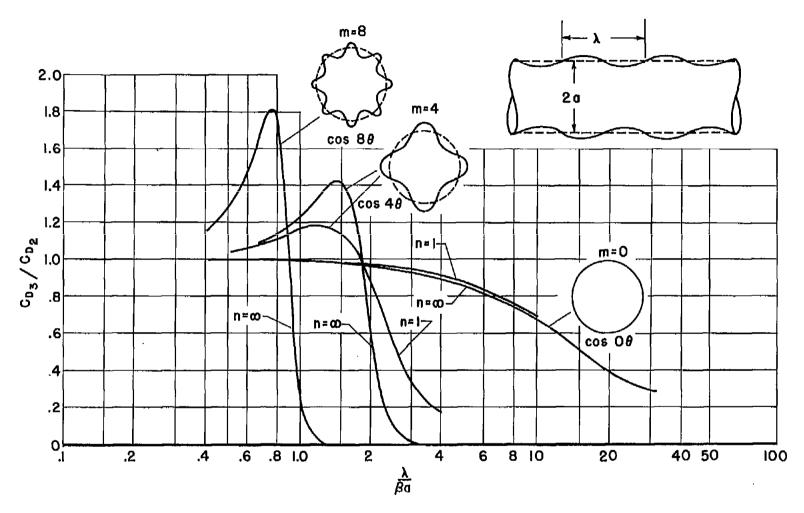


Figure 8.- Wave drag of sinusoidally corrugated bodies.